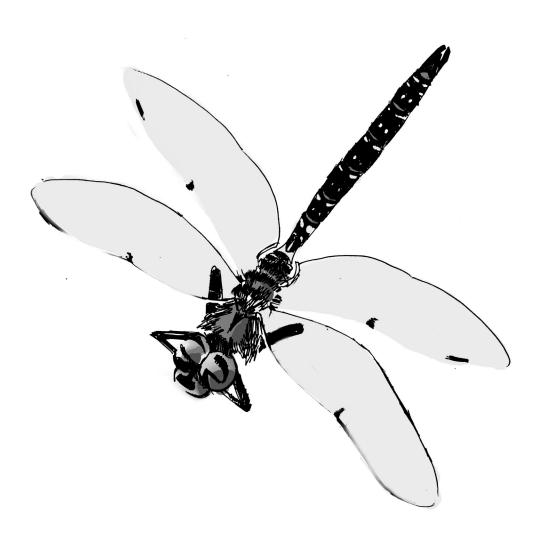
Washington State Economic Climate Study



Office of the Forecast Council September 2002 Volume VII

Washington State Economic Climate Study

Prepared by the Office of the Forecast Council

September 2002 Volume VII

Washington State Office of the Forecast Council

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Editor's Note

The 1996 Legislature passed Substitute House Bill 2758 creating the Economic Climate Council (ECC). The ECC is responsible for selecting a series of benchmarks that characterize the competitive environment of the state. The benchmarks are indicators of the quality of life, education and skills of the work force, infrastructure, and the costs of doing business.

To ensure public participation, the ECC established an advisory committee of six members to assist in the selection of the benchmarks. The advisory committee, along with staff of the House of Representatives, Senate, Office of Financial Management and other state agencies, including the staff of the Office of the Forecast Council, assisted in the preparation of the first report. The Economic and Revenue Forecast Council continues to function as the ECC. Each year the Office of the Forecast Council updates and publishes the Climate Study. This is the seventh annual Economic Climate Study.

Cover: Green Darner Dragonfly, Washington's State Insect

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Executive Summary

This report updates the State of Washington's Economic Climate Study, last published September 2001. The study provides information about Washington's competitive standing in relation to the other U.S. states. It is based on the premise that, while improving productivity is primarily the domain of Washington's business sector, appropriate state and local policies, particularly those relating to education, public safety, infrastructure, cost of doing business, and the environment, are essential to promote higher standards of living.

The benchmarks considered in this study focus on the four themes specified in the Substitute House Bill 2758, RCW 82.33A: quality of life, education and skills of the workforce, infrastructure, and the cost of doing business. These guidelines are specified in the legislation because state and local policies can affect their overall performance. In addition, this study also presents economic performance indicators related to income, employment, population, research and development expenditures, and foreign trade. Overall, forty-one indicators are presented.

Changes to the Economic Climate Study

In response to recommendations from the Washington Competitiveness Council, the Economic Climate Study Advisory Board met several times in 2001 and 2002 to consider the addition of new climate study indicators and changes to current indicators. These meetings resulted in the addition of eight new indicators with a ninth to follow next year, changes to two indicators, and additional information in the supporting text of two indicators.

Indicators that are newly included this year are:

- Median Household Income
- Growth in Personal Income
- Per Capita University Research and Development Spending
- Per Capita Industry Research and Development Spending
- Per Capita Total Research and Development Spending
- Housing Opportunity Index
- Tenth Grade WASL Scores
- Value Added per Hour of Labor in Manufacturing

The ninth indicator that will be added in the next publication will be a measure of the time required to process land use and/or environmental permits. This measure is being developed with the cooperation of state and local regulatory permitting agencies and will track annual improvements in permit processing speed.

Changes were made to the indicators for labor and energy costs in the "Cost of Doing Business" category. While the previous energy cost indicator was an average cost for all forms of energy, the Advisory Board decided that electricity cost would provide a more useful indicator for most busi-

nesses. The previous labor cost indicator was "Unit Labor Costs", which was an index of the average cost for all forms of labor relative to that of the U.S. This indicator was replaced by average state wages in 2000 broken into twenty-two occupational sectors.

Further information was added to the supporting text in the indicators "Total Employment Growth Rate" and "State and Local Tax Collections per \$1,000 Personal Income". These changes were the addition of a table of employment levels to the employment growth indicator and of the latest estimate of the incidence of Washington taxes on households versus businesses in the tax measure.

Recent Performance

Thirty-three of the forty-one benchmarks and indicators have been updated this year. Of the updated benchmarks and indicators that include ranks, Washington's rank improved in seven cases, regressed in nineteen, and stayed the same in four. Performance improved in fifteen cases, worsened in fourteen and stayed the same in two. Data was not available at the time of publication for the eight indicators and benchmarks that were not updated.

Due to the fact that Washington's economy started its downturn into the recent recession before most of the other states, many of the indicators that the state has historically been strong in were among its worst performers this year. This can be seen widely in categories related to the rate of growth in employment, earnings, and income. While the rate of growth of these indicators has slowed, however, Washington's levels of income and earnings still rank highly in comparison to the other states and the national averages. Overall, Washington's performance in the ranked indicators remains above average, with top ten rankings in over a quarter of the indicators and top half rankings in over two-thirds.

The following table is a snapshot of Washington's performance and ranking compared to last year's climate study. The analysis of the Washington's economic climate relative to the other forty-nine states and the nation as a whole begins on page six. The description of each indicator and benchmark is followed by their associated tables and charts. In each case, the ranking is from best to worst with one being the best.

| Indicator/Benchmark | Performance | Rank |
|---|-------------|-----------|
| Economic Performance | | |
| Total Employment Growth Rate | Worsened | Worsened |
| Median Household Income | Worsened | Worsened |
| Per Capita Personal Income | Improved | Worsened |
| Growth in Personal Income | Worsened | Worsened |
| High Wage Industries' Share of Total Employment Growth | Improved | Worsened |
| Annual Earnings Per Job | Improved | Same |
| Annual Earnings Per Job Growth Rate | Worsened | Worsened |
| Migration Rate | No Update | No Update |
| Foreign Exports | Improved | Improved |
| Foreign Exports Excluding Transportation Equipment | Worsened | Same |
| University Research and Development Spending | Improved | Worsened |
| Industry Research and Development Spending | Improved | Improved |
| Per Capita Total Research and Development Spending | Improved | Improved |
| Unemployment Rate | Worsened | Worsened |
| Quality of Life | | |
| Homicide | Worsened | Worsened |
| Violent Crime | Improved | Worsened |
| Arrest Rates for Violent Crime | Worsened | Worsened |
| Air Quality | No Update | No Update |
| Drinking Water | Worsened | Worsened |
| Toxins Released | Worsened | Worsened |
| State Health Index | Same | Worsened |
| State Parks and Recreation Areas | Improved | Same |
| State Arts | Improved | Improved |
| Public Library Service | Worsened | Worsened |
| Housing Opportunity Index | n/a | n/a |
| Education and Skills of the Workforce | | |
| Fourth Grade Reading | No Update | No Update |
| Fourth Grade Math | No Update | No Update |
| Tenth Grade WASL Scores | Improved | n/a |
| Student to Teacher Ratio | Improved | Same |
| Education Attainment: Completed Four Years of High School or More | No Update | No Update |
| Education Attainment: Completed Bachelor's Degree or More | No Update | No Update |
| Total Public Two and Four Year Combined Participation Rate | No Update | No Update |
| Value Added per Hour of Labor in Manufacturing | Improved | Improved |
| Infrastructure | | |
| Interstate Miles in Poor Condition | Same | Worsened |
| Urban Roadway Congestion Index | Improved | Improved |
| FAA Air Traffic | Worsened | Worsened |
| | | |
| Cost of Doing Business | | |
| State and Local Tax Collections Per \$1,000 Personal Income | Improved | Improved |
| Unemployment Insurance Costs | Worsened | Worsened |
| Workers' Compensation Premium Costs | No Update | No Update |
| Electricity Costs | Worsened | Worsened |
| Average Wage by Sector | N/A | N/A |

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Economic Performance

Total Employment Growth Rate

The longest expansionary period on record for the U.S. economy ended in March 2001, exactly ten years after it began. Concurrent with the end of the expansion, seasonally adjusted payroll employment began to decline as well. Even so, on an annual average basis, total U.S. payroll employment managed to grow by a scant 0.2 percent from 2000 to 2001. Washington, however, along with 19 other states, posted negative employment growth during this period.

As the Boeing Company is Washington's largest private employer, the state's employment growth rate has historically followed the fluctuations of the aerospace cycle. The period from 1999 through 2001, however, was more strongly influenced by the information technology/"dot.com" boom and subsequent bust. Strong growth in these sectors managed to keep the state's employment growth near or above the national average rate in 1999 and 2000 even though aerospace jobs declined by over 20 percent during the same period. During the subsequent employment decline from 2000 to 2001, average aerospace employment levels remained relatively stable (since the recent round of layoffs began late in the year), while average total employment declined by 0.5 percent. This employment decline came from declines in not only the information technology sectors, but from construction and manufacturing other than aerospace as well.

Total Washington Payroll Employment

| 1997 | 1998 | 1999 | 2000 | 2001 |
|-----------|-----------|-----------|-----------|-----------|
| 2,514,200 | 2,594,900 | 2,648,700 | 2,711,300 | 2,697,800 |

Chart 1 Total Employment Growth Rate



Economic Performance Total Employment Growth Rate (Percent) 1997 1998 1999 2000 2001 1997-01 Alabama 2.1 1.7 1.1 0.6 -0.9 0.9 Alaska 1.9 2.3 1.0 2.2 2.1 1.9 Arizona 4.9 4.5 4.3 3.7 1.0 3.7 Arkansas 1.7 1.6 1.7 1.5 -0.2 1.3 California 3.0 2.9 1.4 2.9 3.6 3.5 3.9 Colorado 4.2 3.6 3.8 0.9 3.3 1.9 Connecticut 1.8 1.6 1.4 -0.6 1.2 3.2 2.2 3.1 3.2 1.7 -0.2Delaware 3.5 Florida 3.7 2.9 3.7 1.7 3.1 Georgia 2.5 3.5 3.0 2.5 0.1 2.3 Hawaii 0.2 -0.10.7 0.9 3.1 0.4 Idaho 3.4 2.3 3.3 1.8 2.9 3.8 Illinois 2.2 -0.71.5 1.0 1.5 1.1 Indiana 1.6 2.1 1.8 1.0 -2.1 0.9 1.7 2.5 1.2 Iowa 1.8 0.7 -0.6 Kansas 3.4 3.5 1.1 1.3 0.9 2.0 2.4 2.4 2.4 -0.4 1.7 Kentucky 1.6 2.2 2.1 0.4 1.3 Louisiana 1.2 0.6 Maine 2.1 2.8 3.0 2.9 1.0 2.4 2.5 2.5 2.7 2.7 0.8 2.2 Maryland 2.4 2.2 1.8 2.7 1.9 Massachusetts 0.3 Michigan 2.0 1.4 1.6 2.0 -1.9 1.0 Minnesotta 2.4 2.6 2.3 2.4 -0.11.9 Mississippi 1.7 2.4 1.7 0.0 -1.70.8 Missouri 2.8 1.7 1.6 0.8 -0.6 1.3 Montana 1.3 2.2 2.0 1.9 1.1 1.7 2.3 2.6 1.9 0.1 1.7 Nebraska 1.8 Nevada 5.7 4.0 6.2 4.5 2.6 4.6 New Hampshire 3.0 3.3 2.9 2.7 0.8 2.5 2.4 2.1 2.6 2.4 0.7 2.0 New Jersey 2.0 New Mexico 1.6 1.3 2.1 1.6 1.7 New York 1.6 2.1 2.7 -0.0 1.7 2.1 3.0 2.6 -0.8 1.9 North Carolina 3.3 1.6 1.7 1.7 North Dakota 1.4 1.2 0.6 1.3 1.8 1.7 1.5 Ohio 1.1 -1.0 1.0 Oklahoma 2.9 3.5 1.4 1.3 2.2 1.9 -0.7Oregon 3.5 1.7 1.5 2.0 1.6 Pennsylvania 1.9 1.7 1.9 0.2 1.6 1.4 Rhode Island 1.9 1.8 0.5 1.6 2.4 1.6 2.7 2.7 South Carolina 3.7 -1.3 1.6 1.9 South Dakota 1.8 2.3 2.8 1.2 0.4 1.7 Tennessee 2.0 2.1 1.8 1.6 -0.6 1.4 Texas 4.3 3.9 2.5 3.0 0.8 2.9 Utah 4.1 3.0 2.5 2.6 0.6 2.5 Vermont 1.6 2.0 2.3 2.5 0.1 1.7 2.7 3.1 2.8 0.3 2.4 Virginia 3.1 Washington 4.1 3.2 2.1 2.4 -0.5 2.2 West Virginia 1.3 1.6 0.9 1.3 -0.1 1.0 Wisconsin 2.1 2.3 2.4 -0.3 1.8 1.7 Wyoming 1.5 1.7 2.1 2.7 2.6 2.1 U.S. Average 2.6 2.7 2.3 2.3 0.2 2.0 6 12 24 **37** Washington's Rank 21 13

Table 1

Median Household Income

A state's median household income is the level of income (before taxes) at which exactly half of that state's households earn more than that amount and half earn less. While it is related to average or per capita household income, an increase in average household income does not necessarily mean that median household income will increase and vice versa. Median income measures offer the advantage over average measures that they are not upwardly biased by the income levels of the highest-income households. Typically, the average or per capita household income of a state is higher than the median.

Median household income estimates for the states are produced annually by the U.S. Bureau of the Census and are published in Money Income in the United States. These estimates are derived from the annual Current Population Survey. As this survey's primary purpose, however, is to arrive at national income and demographic numbers, estimates for individual states have substantial margins of error. To minimize these errors, the Census Bureau reports and recommends using two or three year moving averages for state median household income estimates. Even so, the margins of error remain significant. For example, the Census Bureau reports that the 90 percent confidence interval for Washington's average estimate of \$46,412 for the years 1998-2000 is plus or minus \$2,039. Using this margin of error, Washington's ranking among the states for that period could be as high as 7th or as low as 17th, and it cannot be said with certainty that its median household income actually declined from the previous period as reported. Nevertheless, within the reported margins of error, general state-to-state and year-to-year comparisons can be made.

While Washington's median household income estimate of \$46,412 for 1998-2000 was slightly lower than that of the previous period, it was still substantially above the national median of \$41,789. The state's average median income for the years 1996-2000 (in year 2000 dollars) of \$45,409 was also well above the national median for that period of \$40,752, ranking 11th. Washington's median household income has been higher than that of the nation for all of the years that the Current Population Survey has reported state estimates.

Chart 2
Median Household Income

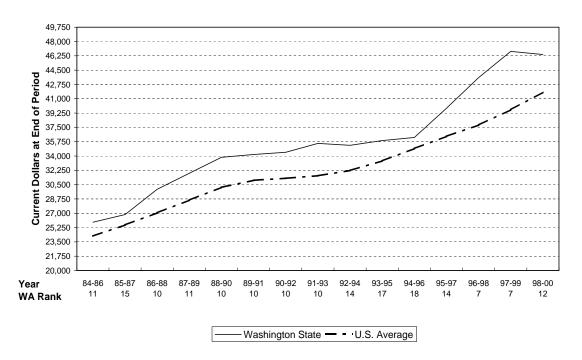


Table 2 Economic Performance

Median Household Income
(Current Dollars at End of Period)

| (Current Dollars at End of Period) | | | | | | |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|---------------|
| | 1994-96 | 1995-97 | 1996-98 | 1997-99 | 1998-00 | 1996-2000* |
| Alabama | 28,618 | 30,103 | 33,394 | 35,478 | 36,268 | 35,221 |
| Alaska | 50,060 | 50,829 | 51,421 | 51,046 | 52,492 | 53,309 |
| Arizona | 32,180 | 32,535 | 34,402 | 36,337 | 39,653 | 37,715 |
| Arkansas | 26,922 | 27,031 | 27,471 | 28,398 | 30,082 | 29,578 |
| California | 38,106 | 39,458 | 40,522 | 42,262 | 45,070 | 44,023 |
| Colorado | 40,971 | 42,664 | 44,349 | 46,950 | 49,216 | 47,743 |
| Connecticut | 42,353 | 43,151 | 44,978 | 47,997 | 50,647 | 49,012 |
| Delaware | 37,749 | 40,009 | 42,000 | 44,627 | 47,438 | 46,269 |
| Florida | 30,759 | 31,708 | 33,234 | 35,081 | 37,305 | 36,028 |
| Georgia | 33,639 | 35,272 | 36,553 | 39,003 | 41,481 | 39,838 |
| Hawaii | 43,541 | 42,931 | 41,932 | 42,864 | 45,657 | 45,300 |
| Idaho | 33,912 | 34,441 | 35,554 | 36,023 | 37,760 | 37,392 |
| Illinois | 38,630 | 40,613 | 42,065 | 44,459 | 46,649 | 45,472 |
| Indiana | 33,004 | 36,667 | 38,580 | 40,635 | 41,315 | 40,779 |
| Iowa | 34,933 | 35,054 | 35,276 | 38,047 | 41,560 | 39,417 |
| Kansas | 31,269 | 33,919 | 35,867 | 37,618 | 38,393 | 37,995 |
| Kentucky | 30,420 | 32,668 | 34,633 | 35,226 | 36,826 | 36,339 |
| Louisiana | 28,740 | 31,217 | 32,317 | 33,218 | 32,500 | 33,236 |
| Maine | 33,883 | 34,641 | 34,989 | 36,459 | 39,815 | 38,500 |
| Maryland | 42,582 | 44,970 | 47,711 | 50,630 | 52,846 | 51,298 |
| Massachusetts | 40,695 | 41,016 | 42,017 | 43,697 | 45,769 | 45,096 |
| Michigan | 38,027 | 39,076 | 40,639 | 43,066 | 46,034 | 44,489 |
| Minnesota | 38,554 | 41,482 | 44,579 | 46,802 | 50,088 | 48,125 |
| Mississippi | 26,963 | 27,912 | 28,592 | 30,628 | 31,963 | 31,107 |
| Missouri | 34,027 | 36,093 | 37,640 | 40,166 | 44,247 | 41,864 |
| Montana | 28,838 | 29,262 | 30,348 | 31,280 | 32,553 | 32,054 |
| Nebraska | 33,858 | 34,722 | 35,661 | 37,338 | 39,029 | 38,272 |
| Nevada | 37,889 | 38,760 | 39,751 | 40,882 | 43,262 | 42,694 |
| New Hampshire | 39,016 | 40,854 | 42,511 | 44,891 | 48,029 | 46,201 |
| New Jersey | 45,817 | 47,612 | 49,303 | 50,234 | 51,739 | 51,698 |
| New Mexico | 26,776 | 27,707 | 29,386 | 31,981 | 34,035 | 32,343 |
| New York | 34,395 | 35,601 | 36,845 | 38,479 | 40,822 | 39,894 |
| North Carolina | 33,469 | 35,312 | 36,407 | 37,057 | 38,413 | 38,498 |
| North Dakota | 30,452 | 31,496 | 31,717 | 32,238 | 33,769 | 33,926 |
| Ohio | 34,589 | 35,928 | 37,005 | 38,970 | 41,972 | 40,365 |
| Oklahoma | 27,700 | 29,042 | 31,357 | 33,311 | 34,020 | 33,123 |
| Oregon | 35,414 | 37,287 | 37,922 | 39,768 | 41,915 | 40,884 |
| Pennsylvania | 34,797 | 36,525 | 37,722 | 38,938 | 41,394 | 40,495 |
| Rhode Island | 35,730 | 36,623 | 38,150 | 40,213 | 43,428 | 41,628 |
| South Carolina | 32,064 | 33,446 | 34,692 | 35,376 | 36,671 | 36,903 |
| South Dakota | 30,485 | 30,349 | 31,205 | 33,438 | 35,986 | 34,399 |
| Tennessee | 30,327 | 30,896 | 32,397 | 34,393 | 35,874 | 34,817 |
| Texas | 32,872 | 34,216 | 35,254 | 37,320 | 39,296 | 38,313 |
| Utah | 37,469 | 39,694 | 42,073 | 45,257 | 46,539 | 45,181 |
| Vermont | | 34,592 | 36,196 | 39,419 | 40,908 | 39,125 |
| Virginia | 35,028 38,787 | 40,405 | 42,572 | 39,419 44,884 | 40,908 | 46,379 |
| | | | | | 46,412 | |
| Washington West Virginia | 36,265 | 39,846 | 43,593 26,050 | 46,788 28,420 | 29,217 | 45,409 |
| West Virginia Wisconsin | 25,270 | 26,505 41,215 | 26,950 41,032 | 28,420 43,055 | 29,217 45,441 | 28,930 |
| | 39,877 | | | | | 44,490 |
| Wyoming | 32,833 | 32,764 | 33,783 | 36,039 | 38,291 | 36,894 |
| U.S. Average** | 34,911 | 36,399 | 37,779 | 39,657 | 41,789 | 40,752 |
| Washington's Rank | 18 | 14 | 7 | 7 | 12 | 11 |

Source: U.S. Department of Commerce, Bureau of the Census

^{*}Average of yearly estimates in 2000 dollars **U.S. average includes the District of Columbia

Per Capita Personal Income

The Bureau of Economic Analysis defines personal income as the sum of earnings, dividends, interest, rent, and transfer payments. Per capita personal income is derived by dividing the total personal income of a region by its population. In 2001, Washington had a total personal income of \$191.76 billion and a population of 5.99 million, for a per capita personal income of \$32,025. This level of income ranked 13th among the states and was well above the national average of \$30,472. While Washington's per capita personal income increased \$398 from 2000 to 2001, its ranking among the states decreased from 11th.

Most of Washington's personal income derives from earnings, which consists mainly of wages and salaries but also includes proprietor's income and other labor income. In 2001, earnings by Washington residents net of personal contributions to social insurance totaled \$131.24 billion, or 68.4 percent of total personal income. Income from transfer payments was \$24.24 billion, and income from dividends, interest, and rent was \$36.28 billion. These income sources represented 12.6 and 18.9 percent of total personal income respectively.

Chart 3 Per Capita Personal Income

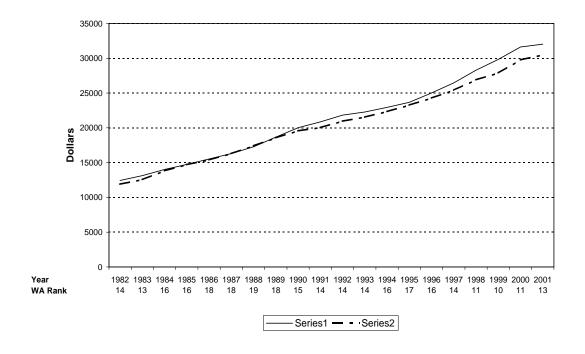


Table 3
Economic Performance
Per Capita Personal Income
(Dollars)

| (= 1) | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-2001 |
|-------------------|--------|--------|--------|--------|--------|-----------|
| Alabama | 20,899 | 21,904 | 22,693 | 23,766 | 24,589 | 22,770 |
| Alaska | 26,898 | 27,645 | 28,122 | 29,913 | 30,936 | 28,703 |
| Arizona | 21,892 | 23,118 | 23,937 | 25,358 | 25,872 | 24,035 |
| Arkansas | 19,628 | 20,479 | 21,119 | 22,108 | 22,887 | 21,244 |
| California | 26,521 | 28,240 | 29,698 | 32,334 | 32,702 | 29,899 |
| Colorado | 27,067 | 28,764 | 30,334 | 33,018 | 33,470 | 30,531 |
| Connecticut | 34,759 | 37,108 | 38,614 | 41,392 | 42,435 | 38,862 |
| Delaware | 26,807 | 28,662 | 29,354 | 31,500 | 32,472 | 29,759 |
| Florida | 24,869 | 26,161 | 26,951 | 28,286 | 28,947 | 27,043 |
| Georgia | 23,911 | 25,447 | 26,571 | 28,212 | 28,733 | 26,575 |
| Hawaii | 25,765 | 26,201 | 26,913 | 28,301 | 29,002 | 27,236 |
| Idaho | 20,534 | 21,612 | 22,679 | 24,101 | 24,621 | 22,709 |
| Illinois | 27,950 | 29,505 | 30,227 | 32,248 | 33,023 | 30,591 |
| Indiana | 23,418 | 24,891 | 25,628 | 27,228 | 27,783 | 25,790 |
| Iowa | 23,499 | 24,555 | 24,990 | 26,572 | 27,331 | 25,389 |
| Kansas | 24,182 | 25,519 | 26,121 | 27,537 | 28,565 | 26,385 |
| Kentucky | 20,979 | 22,118 | 22,671 | 24,244 | 24,923 | 22,987 |
| Louisiana | 20,874 | 21,948 | 22,204 | 23,227 | 24,535 | 22,558 |
| Maine | 22,134 | 23,404 | 24,187 | 25,681 | 26,723 | 24,426 |
| Maryland | 28,857 | 30,455 | 31,829 | 33,959 | 35,188 | 32,058 |
| Massachusetts | 30,773 | 32,714 | 34,322 | 37,960 | 38,907 | 34,935 |
| Michigan | 25,509 | 26,860 | 27,942 | 29,516 | 29,788 | 27,923 |
| Minnesota | 27,086 | 29,092 | 30,141 | 32,207 | 33,101 | 30,325 |
| Mississippi | 18,580 | 19,635 | 20,124 | 21,017 | 21,750 | 20,221 |
| Missouri | 23,926 | 25,171 | 25,865 | 27,452 | 28,226 | 26,128 |
| Montana | 19,920 | 21,225 | 21,593 | 22,895 | 23,963 | 21,919 |
| Nebraska | 24,148 | 25,541 | 26,558 | 27,756 | 28,886 | 26,578 |
| Nevada | 26,789 | 28,069 | 28,598 | 29,696 | 29,897 | 28,610 |
| New Hampshire | 27,238 | 29,187 | 30,485 | 33,576 | 34,138 | 30,925 |
| New Jersey | 31,720 | 33,640 | 34,549 | 37,649 | 38,509 | 35,213 |
| New Mexico | 19,641 | 20,551 | 20,891 | 21,837 | 23,155 | 21,215 |
| New York | 29,670 | 31,478 | 32,617 | 35,016 | 36,019 | 32,960 |
| North Carolina | 23,468 | 24,661 | 25,504 | 27,055 | 27,514 | 25,640 |
| North Dakota | 20,520 | 22,716 | 23,043 | 25,007 | 25,902 | 23,438 |
| Ohio | 24,772 | 25,921 | 26,864 | 28,202 | 28,816 | 26,915 |
| Oklahoma | 20,739 | 21,930 | 22,540 | 24,046 | 25,071 | 22,865 |
| Oregon | 24,385 | 25,446 | 26,248 | 27,821 | 28,165 | 26,413 |
| Pennsylvania | 25,635 | 27,008 | 27,924 | 29,713 | 30,720 | 28,200 |
| Rhode Island | 25,643 | 26,837 | 27,632 | 29,258 | 30,215 | 27,917 |
| South Carolina | 20,998 | 22,115 | 22,958 | 24,273 | 24,886 | 23,046 |
| South Dakota | 21,885 | 23,453 | 24,477 | 25,823 | 26,664 | 24,460 |
| Tennessee | 22,814 | 24,101 | 25,026 | 26,367 | 26,988 | 25,059 |
| Texas | 23,756 | 25,398 | 26,237 | 28,035 | 28,581 | 26,401 |
| Utah | 20,613 | 21,594 | 22,202 | 23,476 | 24,180 | 22,413 |
| Vermont | 23,026 | 24,547 | 25,705 | 27,376 | 28,594 | 25,850 |
| Virginia | 26,385 | 27,968 | 29,276 | 31,320 | 32,431 | 29,476 |
| Washington | 26,469 | 28,285 | 29,836 | 31,627 | 32,025 | 29,648 |
| West Virginia | 19,351 | 20,234 | 20,691 | 21,861 | 22,881 | 21,004 |
| Wisconsin | 24,481 | 26,004 | 26,976 | 28,471 | 29,270 | 27,040 |
| Wyoming | 23,360 | 24,714 | 26,139 | 27,767 | 29,416 | 26,279 |
| U.S. Average* | 25,412 | 26,893 | 27,880 | 29,770 | 30,472 | 28,085 |
| Washington's Rank | 14 | 11 | 10 | 11 | 13 | 12 |

^{*}The U.S. Average includes Washington D.C., which makes it higher than the 50 State Average Source: Bureau of Economic Analysis, U.S. Department of Commerce, September 23, 2002

Per Capita Personal Income Growth Rate

The growth rate of per capita personal income is affected by the growth rate of the components of total personal income as well as the growth rate of population. From 2000 to 2001, Washington's total personal income grew by 2.6 percent while population grew at 1.3 percent. As a result, per capita personal income grew by 1.3 percent, which ranked 46th among the states. During the same period, U.S. total personal income grew by 3.3 percent while its population grew at 0.9 percent, for a per capita personal income growth rate of 2.4 percent.

Most of the difference between the growth rates of Washington and U.S. total personal income was in the earnings component. From 2000 to 2001, Washington total earnings grew at 0.9 percent while U.S. total earnings grew at 2.4%. This difference in earnings growth stemmed from Washington's negative payroll employment growth during the period as compared to slight positive growth in the U.S. as a whole. Though Washington per capita personal income growth has lagged that of the U.S. for the last two years, its average growth rate for the last five years ranked 10th among the states.

Chart 4 Per Capita Personal Income Growth Rate

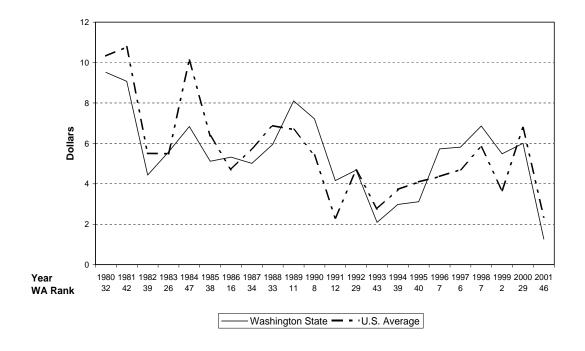


Table 4 Economic Performance Per Capita Personal Income Growth Rate (Percent)

| | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-01 |
|---------------------------------------|------|------|------|------|------|---------|
| Alabama | 3.8 | 4.8 | 3.6 | 4.7 | 3.5 | 4.1 |
| Alaska | 3.8 | 2.8 | 1.7 | 6.4 | 3.4 | 3.6 |
| Arizona | 4.8 | 5.6 | 3.5 | 5.9 | 2.0 | 4.4 |
| Arkansas | 3.7 | 4.3 | 3.1 | 4.7 | 3.5 | 3.9 |
| California | 4.5 | 6.5 | 5.2 | 8.9 | 1.1 | 5.2 |
| Colorado | 6.1 | 6.3 | 5.5 | 8.8 | 1.4 | 5.6 |
| Connecticut | 6.1 | 6.8 | 4.1 | 7.2 | 2.5 | 5.3 |
| Delaware | 2.6 | 6.9 | 2.4 | 7.3 | 3.1 | 4.5 |
| Florida | 4.0 | 5.2 | 3.0 | 5.0 | 2.3 | 3.9 |
| Georgia | 3.7 | 6.4 | 4.4 | 6.2 | 1.8 | 4.5 |
| Hawaii | 2.0 | 1.7 | 2.7 | 5.2 | 2.5 | 2.8 |
| Idaho | 2.2 | 5.2 | 4.9 | 6.3 | 2.2 | 4.2 |
| Illinois | 4.8 | 5.6 | 2.4 | 6.7 | 2.4 | 4.4 |
| Indiana | 4.1 | 6.3 | 3.0 | 6.2 | 2.0 | 4.3 |
| Iowa | 4.6 | 4.5 | 1.8 | 6.3 | 2.9 | 4.0 |
| Kansas | 5.2 | 5.5 | 2.4 | 5.4 | 3.7 | 4.5 |
| Kentucky | 5.1 | 5.4 | 2.5 | 6.9 | 2.8 | 4.6 |
| Louisiana | 4.5 | 5.1 | 1.2 | 4.6 | 5.6 | 4.2 |
| Maine | 4.6 | 5.7 | 3.3 | 6.2 | 4.1 | 4.8 |
| Maryland | 4.8 | 5.5 | 4.5 | 6.7 | 3.6 | 5.0 |
| Massachusetts | 5.5 | 6.3 | 4.9 | 10.6 | 2.5 | 6.0 |
| Michigan | 4.6 | 5.3 | 4.0 | 5.6 | 0.9 | 4.1 |
| Minnesota | 4.6 | 7.4 | 3.6 | 6.9 | 2.8 | 5.0 |
| Mississippi | 4.4 | 5.7 | 2.5 | 4.4 | 3.5 | 4.1 |
| Missouri | 4.8 | 5.2 | 2.8 | 6.1 | 2.8 | 4.3 |
| Montana | 3.9 | 6.6 | 1.7 | 6.0 | 4.7 | 4.6 |
| Nebraska | 2.0 | 5.8 | 4.0 | 4.5 | 4.1 | 4.1 |
| Nevada | 3.0 | 4.8 | 1.9 | 3.8 | 0.7 | 2.8 |
| New Hampshire | 5.8 | 7.2 | 4.4 | 10.1 | 1.7 | 5.9 |
| New Jersey | 4.8 | 6.1 | 2.7 | 9.0 | 2.3 | 5.0 |
| New Mexico | 3.6 | 4.6 | 1.7 | 4.5 | 6.0 | 4.1 |
| New York | 3.9 | 6.1 | 3.6 | 7.4 | 2.9 | 4.8 |
| North Carolina | 5.0 | 5.1 | 3.4 | 6.1 | 1.7 | 4.3 |
| North Dakota | -1.9 | 10.7 | 1.4 | 8.5 | 3.6 | 4.5 |
| Ohio | 5.4 | 4.6 | 3.6 | 5.0 | 2.2 | 4.2 |
| Oklahoma | 4.5 | 5.7 | 2.8 | 6.7 | 4.3 | 4.8 |
| Oregon | 4.8 | 4.4 | 3.2 | 6.0 | 1.2 | 3.9 |
| Pennsylvania | 4.8 | 5.4 | 3.4 | 6.4 | 3.4 | 4.7 |
| Rhode Island | 5.5 | 4.7 | 3.0 | 5.9 | 3.3 | 4.5 |
| South Carolina | 4.5 | 5.3 | 3.8 | 5.7 | 2.5 | 4.4 |
| South Dakota | 2.3 | 7.2 | 4.4 | 5.5 | 3.3 | 4.5 |
| Tennessee | 3.6 | 5.6 | 3.8 | 5.4 | 2.4 | 4.2 |
| Texas | 7.2 | 6.9 | 3.3 | 6.9 | 1.9 | 5.2 |
| Utah | 5.6 | 4.8 | 2.8 | 5.7 | 3.0 | 4.4 |
| Vermont | 4.6 | 6.6 | 4.7 | 6.5 | 4.4 | 5.4 |
| Virginia | 4.8 | 6.0 | 4.7 | 7.0 | 3.5 | 5.2 |
| Washington | 5.8 | 6.9 | 5.5 | 6.0 | 1.3 | 5.1 |
| West Virginia | 4.4 | 4.6 | 2.3 | 5.7 | 4.7 | 4.3 |
| Wisconsin | 5.1 | 6.2 | 3.7 | 5.5 | 2.8 | 4.7 |
| Wyoming | 7.5 | 5.8 | 5.8 | 6.2 | 5.9 | 6.2 |
| U.S. Average* | 4.7 | 5.8 | 3.7 | 6.8 | 2.4 | 4.7 |
| Washington's Rank | 6 | 7 | 2 | 29 | 46 | 10 |
| *The U.S. Average includes Washington | DC | | | | | |

*The U.S. Average includes Washington D.C. Source: Bureau of Economic Analysis, U.S. Department of Commerce, September 23, 2002

High Wage Industries' Share of Total Employment Growth

Washington's high wage employment growth is highly correlated to the aerospace and technology sectors. Washington has historically ranked moderately well in the area of high wage employment growth. Aerospace expansion coupled with continued growth in software boosted state performance between 1996 and 1998; 1996-97 was an exceptional period with 50.4 percent of job growth occurring in high wage sectors. This expansion, however, reversed itself over the next two years as average aerospace employment declined 12 percent in 1998-99 and 13 percent in 1999-2000. As a result, Washington's 1999-2000 share of high wage industry employment growth as a percent of total employment growth was 19.6 percent, ranking 47th among the states and well below the national average of 35.2 percent.

Absent the aerospace cycle, Washington's recent rankings would have improved considerably. Nevertheless, over the five year period preceding 2000 Washington's high wage industries' share of total employment growth was above the national average, ranking 20th among the states.

Chart 5 High Wage Industries' Share of Total Employment Growth

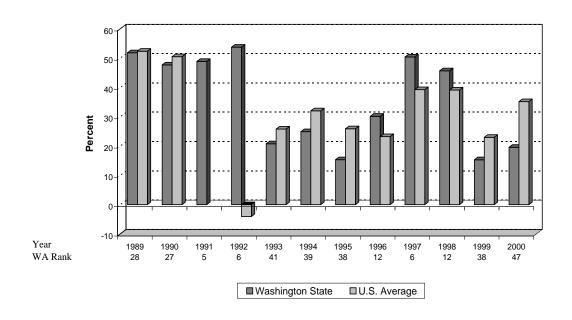


Table 5
Economic Performance
High Wage Industries' Share of Total Employment Growth
(Percent)

| | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 1995-00 |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Alabama | 17.6 | 36.3 | 39.5 | 5.5 | 46.2 | 30.2 |
| Alaska | -32.8 | 19.9 | -336.5 | 1008.2 | | 20.4 |
| Arizona | 33.9 | 32.4 | 36.8 | 14.7 | | 32.0 |
| Arkansas | 20.6 | 43.4 | 46.5 | 21.8 | 53.0 | 38.0 |
| California | 20.7 | 42.8 | 34.5 | 23.8 | 36.6 | 32.8 |
| Colorado | 22.2 | 34.7 | 40.6 | 29.9 | 29.9 | 32.6 |
| Connecticut | -2.6 | 32.5 | 30.6 | 9.3 | 18.7 | 21.0 |
| Delaware | 11.1 | 35.1 | 57.4 | 23.2 | 37.0 | 31.9 |
| Florida | 33.3 | 36.6 | 33.8 | 22.9 | 25.7 | 29.8 |
| Georgia | 29.0 | 43.5 | 48.0 | 34.1 | 36.4 | 37.3 |
| Hawaii | 1789.3* | -124.7 | 23.4 | -19.5 | 29.6 | 2.7 |
| Idaho | 36.7 | 41.3 | 23.8 | 60.9 | 38.5 | 40.5 |
| Illinois | 12.2 | 36.3 | 34.2 | 14.5 | 29.2 | 27.1 |
| Indiana | 15.9 | 37.9 | 36.2 | 26.5 | 30.3 | 31.9 |
| Iowa | 11.5 | 53.7 | 50.0 | 23.9 | 48.8 | 37.6 |
| Kansas | 16.5 | 47.5 | 41.6 | 22.3 | 44.8 | 38.6 |
| Kentucky | 33.0 | 44.0 | 59.4 | 31.8 | 44.1 | 43.7 |
| Louisiana | 33.1 | 38.5 | 39.8 | -79.2 | 2.0 | 23.5 |
| Maine | 26.2 | 22.6 | 37.8 | 46.0 | 39.0 | 38.4 |
| Maryland | 13.2 | 36.9 | 37.9 | 25.3 | 32.5 | 31.3 |
| Massachusetts | 21.9 | 36.5 | 39.4 | 10.3 | 25.3 | 29.7 |
| Michigan | 27.8 | 32.8 | 32.7 | 23.4 | 42.6 | 33.7 |
| Minnesota | 38.9 | 44.5 | 31.3 | 40.1 | 39.0 | 39.8 |
| Mississippi | 22.5 | 28.8 | 56.9 | 9.1 | 36.1 | 31.3 |
| Missouri | 39.9 | 45.4 | 33.1 | 26.2 | 28.7 | 37.8 |
| Montana | 12.9 | 29.5 | 34.8 | 38.5 | 36.1 | 31.6 |
| Nebraska | 12.6 | 49.7 | 46.7 | 28.6 | 46.0 | 37.3 |
| Nevada | 26.8 | 27.1 | 38.2 | 21.0 | 31.3 | 28.5 |
| New Hampshire | 35.6 | 36.7 | 37.3 | 26.4 | 31.9 | 34.1 |
| New Jersey | 1.2 | 40.2 | 39.7 | 28.0 | 38.9 | 35.0 |
| New Mexico | 15.2 | 36.8 | 21.5 | -1.0 | 40.8 | 27.7 |
| New York | -18.6 | 37.1 | 33.1 | 26.1 | 32.6 | 29.0 |
| North Carolina | 39.3 | 42.2 | 49.1 | 36.7 | 55.3 | 43.4 |
| North Dakota | 25.5 | 67.8 | 33.1 | 55.2 | | 43.2 |
| Ohio | 22.2 | 38.9 | 40.1 | 20.8 | 28.2 | 32.1 |
| Oklahoma | 14.0 | 48.6 | 41.9 | -4.4 | 34.8 | 33.6 |
| Oregon | 30.9 | 40.4 | 51.3 | 21.7 | 37.6 | 37.1 |
| Pennsylvania | -4 .1 | 40.8 | 34.1 | 21.6 | 26.9 | 28.1 |
| Rhode Island | 19.2 | 54.2 | 40.4 | 24.4 | 35.2 | 37.5 |
| South Carolina | 26.0 | 39.0 | | 46.0 | | |
| South Dakota | 13.4 | 64.2 | 36.7 | 41.3 | 37.6 | 38.6 |
| Tennessee | 30.1 29.4 | 31.6 44.4 | 43.2 44.5 | 28.9 15.0 | 26.7 39.9 | 33.0 37.5 |
| Texas Utah | 33.3 | 35.7 | 41.2 | 21.1 | 24.3 | 37.5 |
| Vermont | 7.1 | 22.8 | 30.7 | 49.3 | 46.7 | 34.3 |
| Vermont Virginia | 22.5 | 24.4 | 33.6 | 27.9 | 44.6 | 31.7 |
| Washington | 30.2 | 50.4 | 45.7 | 15.3 | 19.6 | 36.3 |
| West Virginia | 14.6 | 28.7 | 29.9 | -34.6 | 18.6 | 20.5 |
| Wisconsin | 29.4 | 43.1 | 47.9 | 23.5 | 36.9 | 38.2 |
| Wyoming | 0.4 | 81.9 | 40.8 | 21.5 | 57.0 | 41.1 |
| U.S. Average | 23.3 | 39.3 | 39.1 | 23.0 | 35.2 | 33.4 |
| _ | | | | | | |
| Washington's Rank | 12 | 6 | 12 | 38 | 47 | 20 |

^{*} Total employment growth rate was negative.

Source: Washington State Office of the Forecast Council based on personal income data provided by the

U.S. Department of Commerce, Bureau of Economic Analysis, May 2002.

Annual Earnings Per Job

The Bureau of Economic Analysis defines earnings as salary income, other labor income, and proprietors' income. Historically, Washington has ranked high in annual earnings per job due to an industry mix that favors high wage employment. Washington's average annual earnings per job increased to \$38,073 in 2000, up \$1,354 from 1999. Washington's national rank remained at 7th. Washington's real total earnings (in 1996 constant dollars) have more than tripled in amount from 38.9 billion in 1970 to 120.9 billion in 2000.

Chart 6 Annual Earnings Per Job

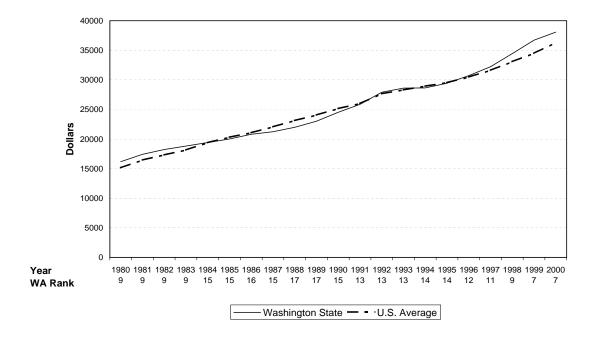


Table 6
Economic Performance
Annual Earnings Per Job
(Dollars)

| (Dollars) | | | | | | |
|-------------------|--------|--------|--------|--------|--------|---------|
| , | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
| Alabama | 26,364 | 26,933 | 27,831 | 28,904 | 29,670 | 27,940 |
| Alaska | 33,275 | 33,572 | 34,211 | 34,332 | 35,175 | 34,113 |
| Arizona | 27,473 | 28,439 | 29,933 | 31,174 | 33,050 | 30,014 |
| Arkansas | 23,676 | 24,241 | 25,029 | 26,096 | 26,845 | 25,177 |
| California | 33,363 | 35,060 | 36,514 | 38,659 | 41,986 | 37,116 |
| Colorado | 29,368 | 30,707 | 32,465 | 34,416 | 36,989 | 32,789 |
| Connecticut | 37,801 | 40,083 | 42,187 | 43,895 | 46,351 | 42,063 |
| Delaware | 32,135 | 33,134 | 34,552 | 35,634 | 36,863 | 34,464 |
| Florida | 27,478 | 28,098 | 29,260 | 30,095 | 31,534 | 29,293 |
| Georgia | 29,779 | 30,999 | 32,520 | 34,146 | 35,881 | 32,665 |
| Hawaii | 30,084 | 30,581 | 31,001 | 31,523 | 32,172 | 31,072 |
| Idaho | 24,405 | 24,523 | 25,458 | 26,732 | 28,103 | 25,844 |
| Illinois | 33,562 | 34,962 | 36,333 | 37,833 | 39,462 | 36,430 |
| Indiana | 27,412 | 28,231 | 29,560 | 30,454 | 31,465 | 29,424 |
| Iowa | 24,644 | 25,346 | 25,806 | 26,493 | 27,806 | 26,019 |
| Kansas | 25,347 | 26,247 | 27,232 | 28,417 | 29,270 | 27,303 |
| Kentucky | 25,182 | 26,037 | 27,056 | 28,025 | 29,355 | 27,131 |
| Louisiana | 26,682 | 27,438 | 28,496 | 28,909 | 29,532 | 28,211 |
| Maine | 24,377 | 25,054 | 25,913 | 26,954 | 27,656 | 25,991 |
| Maryland | 31,501 | 32,640 | 34,072 | 35,430 | 37,136 | 34,156 |
| Massachusetts | 35,624 | 36,927 | 38,867 | 41,390 | 45,120 | 39,586 |
| Michigan | 32,594 | 33,414 | 35,254 | 36,513 | 37,621 | 35,079 |
| Minnesota | 28,894 | 29,796 | 31,697 | 33,019 | 34,836 | 31,648 |
| Mississippi | 23,331 | 24,007 | 25,002 | 25,648 | 26,281 | 24,854 |
| Missouri | 27,101 | 28,028 | 29,082 | 30,051 | 31,508 | 29,154 |
| Montana | 20,945 | 21,350 | 22,350 | 23,074 | 23,653 | 22,274 |
| Nebraska | 26,110 | 26,306 | 27,074 | 28,139 | 28,876 | 27,301 |
| Nevada | 30,420 | 30,958 | 32,712 | 33,915 | 34,891 | 32,579 |
| New Hampshire | 28,227 | 29,496 | 31,137 | 32,379 | 34,752 | 31,198 |
| New Jersey | 38,571 | 39,943 | 41,882 | 43,437 | 45,751 | 41,917 |
| New Mexico | 24,856 | 25,659 | 26,657 | 27,324 | 28,283 | 26,556 |
| New York | 39,803 | 41,140 | 43,312 | 44,850 | 47,683 | 43,358 |
| North Carolina | 26,976 | 27,886 | 29,049 | 30,279 | 32,022 | 29,242 |
| North Dakota | 22,440 | 20,963 | 23,357 | 23,466 | 24,876 | 23,020 |
| Ohio | 28,818 | 29,943 | 31,067 | 32,009 | 33,034 | 30,974 |
| Oklahoma | 24,284 | 25,189 | 26,188 | 27,069 | 28,099 | 26,166 |
| Oregon | 27,287 | 28,254 | 29,366 | 30,739 | 32,493 | 29,628 |
| Pennsylvania | 31,092 | 31,996 | 33,530 | 34,719 | 36,006 | 33,469 |
| Rhode Island | 29,228 | 30,380 | 31,651 | 32,685 | 34,036 | 31,596 |
| South Carolina | 25,377 | 26,020 | 27,012 | 28,105 | 29,212 | 27,145 |
| South Dakota | 22,777 | 22,704 | 23,989 | 25,042 | 26,304 | 24,163 |
| Tennessee | 27,256 | 28,050 | 29,098 | 30,162 | 31,236 | 29,160 |
| Texas | 29,955 | 31,656 | 33,595 | 35,178 | 37,072 | 33,491 |
| Utah | 25,053 | 26,010 | 27,106 | 28,052 | 29,203 | 27,085 |
| Vermont | 24,176 | 24,843 | 25,809 | 26,784 | 28,054 | 25,933 |
| Virginia | 30,010 | 31,212 | 32,845 | 34,433 | 36,481 | 32,996 |
| Washington | 30,713 | 32,234 | 34,435 | 36,719 | 38,073 | 34,435 |
| West Virginia | 24,785 | 25,271 | 25,833 | 26,562 | 27,381 | 25,966 |
| Wisconsin | 26,618 | 27,524 | 28,917 | 29,921 | 30,807 | 28,757 |
| Wyoming | 23,221 | 24,471 | 25,009 | 26,170 | 27,037 | 25,182 |
| U.S. Average | 30,493 | 31,610 | 33,077 | 34,480 | 36,316 | 33,195 |
| Washington's Rank | 12 | 11 | 9 | 7 | 7 | 9 |

Source: US Department of Commerce, Bureau of Economic Analysis (www.bea.gov)

Annual Earnings Per Job Growth Rate

In 2000, the growth rate of annual earnings per job in Washington fell below the national average for the first time since 1994. From 1999 to 2000, Washington earnings per job grew at a rate of 3.7 percent, ranking 30th among the states, while U.S. average earnings per job grew at 5.3 percent. During the four years prior to 2000, however, Washington's earnings growth handily outpaced that of the nation, ranking in the top ten for all four years and first in 1999. As a result, Washington's average annual growth rate in earnings per job for the years 1996-2000 was well above the national average, ranking 4th among the states.

Chart 7 Annual Earnings Per Job Growth Rate

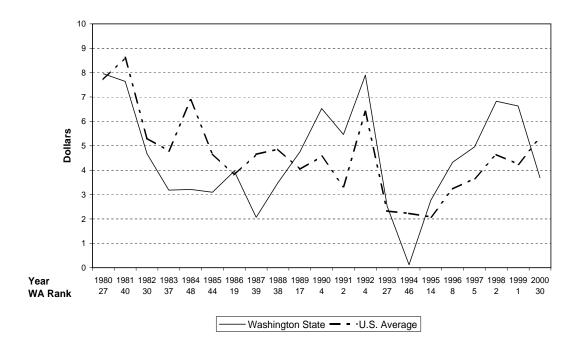


Table 7
Economic Performance
Annual Earnings Per Job Growth Rate
(Dollars)

| (Dollars) | | | | | | |
|-------------------------------|------|--------------|------|------|------|---------|
| , | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
| Alabama | 2.3 | 2.2 | 3.3 | 3.9 | 2.7 | 2.9 |
| Alaska | -0.7 | 0.9 | 1.9 | 0.4 | 2.7 | 1.0 |
| Arizona | 2.6 | 3.5 | 5.3 | 4.1 | 6.0 | 4.3 |
| | | | | | 2.9 | |
| Arkansas | 3.4 | 2.4 | 3.3 | 4.3 | | 3.2 |
| California | 3.0 | 5.1 | 4.1 | 5.9 | 8.6 | 5.3 |
| Colorado | 3.7 | 4.6 | 5.7 | 6.0 | 7.5 | 5.5 |
| Connecticut | 2.7 | 6.0 | 5.2 | 4.0 | 5.6 | 4.7 |
| Delaware | 1.5 | 3.1 | 4.3 | 3.1 | 3.4 | 3.1 |
| Florida | 2.7 | 2.3 | 4.1 | 2.9 | 4.8 | 3.3 |
| Georgia | 4.2 | 4.1 | 4.9 | 5.0 | 5.1 | 4.6 |
| Hawaii | 0.3 | 1.7 | 1.4 | 1.7 | 2.1 | 1.4 |
| Idaho | 1.4 | 0.5 | 3.8 | 5.0 | 5.1 | 3.2 |
| Illinois | 4.0 | 4.2 | 3.9 | 4.1 | 4.3 | 4.1 |
| Indiana | 3.3 | 3.0 | 4.7 | 3.0 | 3.3 | 3.5 |
| Iowa | 6.4 | 2.8 | 1.8 | 2.7 | 5.0 | 3.7 |
| Kansas | 4.0 | 3.6 | 3.8 | 4.4 | 3.0 | 3.7 |
| Kentucky | 3.5 | 3.4 | 3.9 | 3.6 | 4.7 | 3.8 |
| Louisiana | 1.8 | 2.8 | 3.9 | 1.4 | 2.2 | 2.4 |
| Maine | 3.1 | 2.8 | 3.4 | 4.0 | 2.6 | 3.2 |
| Maryland | 2.3 | 3.6 | 4.4 | 4.0 | 4.8 | 3.8 |
| Massachusetts | 4.5 | 3.7 | 5.3 | 6.5 | 9.0 | 5.8 |
| Michigan | -0.5 | 2.5 | 5.5 | 3.6 | 3.0 | 2.8 |
| Minnesota | 5.9 | 3.1 | 6.4 | 4.2 | 5.5 | 5.0 |
| Mississippi | 3.2 | 2.9 | 4.1 | 2.6 | 2.5 | 3.1 |
| Missouri | 3.6 | 3.4 | 3.8 | 3.3 | 4.8 | 3.8 |
| Montana | 0.4 | 1.9 | 4.7 | 3.2 | 2.5 | 2.6 |
| Nebraska | 7.9 | 0.8 | 2.9 | 3.9 | 2.6 | 3.6 |
| Nevada | 2.5 | 1.8 | 5.7 | 3.7 | 2.9 | 3.3 |
| New Hampshire | 3.8 | 4.5 | 5.6 | 4.0 | 7.3 | 5.0 |
| New Jersey | 4.1 | 3.6 | 4.9 | 3.7 | 5.3 | 4.3 |
| New Mexico | 1.8 | 3.2 | 3.9 | 2.5 | 3.5 | 3.0 |
| New York | 5.4 | 3.4 | 5.3 | 3.6 | 6.3 | 4.8 |
| North Carolina | 3.0 | 3.4 | 4.2 | 4.2 | 5.8 | 4.1 |
| North Dakota | 11.3 | - 6.6 | 11.4 | 0.5 | 6.0 | 4.5 |
| Ohio | 1.5 | 3.9 | 3.8 | 3.0 | 3.2 | 3.1 |
| Oklahoma | 1.5 | 3.7 | 4.0 | 3.4 | 3.8 | 3.3 |
| Oregon | 3.6 | 3.7 | 3.9 | 4.7 | 5.7 | 4.3 |
| Pennsylvania | 3.1 | 2.9 | 4.8 | 3.5 | 3.7 | 3.6 |
| Rhode Island | 2.7 | 3.9 | 4.2 | 3.3 | 4.1 | 3.6 |
| South Carolina | 2.7 | 2.5 | 3.8 | 4.0 | 3.9 | 3.4 |
| South Caronna South Dakota | 9.3 | - 0.3 | 5.7 | 4.0 | 5.0 | 4.8 |
| | | | 3.7 | 3.7 | | |
| Tennessee | 2.1 | 2.9 | | | 3.6 | 3.2 |
| Texas | 3.8 | 5.7 | 6.1 | 4.7 | 5.4 | 5.1 |
| Utah | 2.2 | 3.8 | 4.2 | 3.5 | 4.1 | 3.6 |
| Vermont | 3.6 | 2.8 | 3.9 | 3.8 | 4.7 | 3.8 |
| Virginia | 3.2 | 4.0 | 5.2 | 4.8 | 5.9 | 4.6 |
| Washington | 4.3 | 5.0 | 6.8 | 6.6 | 3.7 | 5.3 |
| West Virginia | 1.3 | 2.0 | 2.2 | 2.8 | 3.1 | 2.3 |
| Wisconsin | 2.8 | 3.4 | 5.1 | 3.5 | 3.0 | 3.5 |
| Wyoming | 0.0 | 5.4 | 2.2 | 4.6 | 3.3 | 3.1 |
| U.S. Average | 3.2 | 3.7 | 4.6 | 4.2 | 5.3 | 4.2 |
| Washington's Rank | 8 | 5 | 2 | 1 | 30 | 4 |

Source: US Department of Commerce, Bureau of Economic Analysis (www.bea.gov)

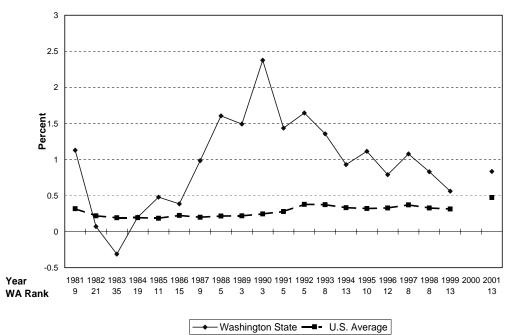
Migration Rate

The U.S. Department of Commerce, Bureau of the Census publishes estimates of the annual increases in state populations that are attributable to natural increase (births minus deaths), domestic migration, and international migration. The effective dates of these estimates are normally July first of each year, with the migration and natural increase numbers showing the change from one July to the next.

Intercensal estimates of population changes from 1990 to 1999 rely on baseline data from the 1990 decennial census, while estimates for the current decade will rely on the 2000 census. The Census Bureau is currently working on revisions to the estimates from 1990-99 to make them consistent with both the 1990 and 2000 censuses. Until these revisions are made, the bureau will not release migration and natural increase estimates for the period from July 1999 to July 2000. It has, however, produced migration and natural increase estimates for the period from April 1, 2000 to July 1, 2001 based upon the 2000 census. These estimates are presented here, although it should be kept in mind that that they are not strictly comparable with the estimates for past periods as they represent the changes over 15 months rather than one year.

Washington continues to be a popular destination for migrants, ranking at or above 15th among the states since 1985. Its migration rate of 0.8 percent for the April 2000-July 2001 period ranked 13th among the states. During this period, Washington's total population growth was 1.6 percent, with half (0.8%) coming from natural increase and half from migration. Of the state's immigrants, roughly 55 percent were international immigrants and 45 percent domestic. Total U.S. population growth for the same period was 1.2 percent, with 0.7 percent of its growth from natural increase and 0.5 percent from migration.

Chart 8 Migration Rate



Economic Performance Migration Rate (Percent)* **April 2000-**1995 1996 1997 1998 **July 2001** 1999 Alabama 0.3 0.3 0.3 0.3 0.0 -0.1Alaska -1.2 -0.6 -0.6 -0.1 -0.5 -0.2 2.4 Arizona 3.0 2.0 1.8 1.6 1.5 Arkansas 0.8 0.6 0.4 0.2 0.1 0.2 California -0.5 -0.1 0.4 0.5 0.5 0.8 Colorado 1.5 1.2 1.3 1.2 1.4 1.6 Connecticut -0.6 -0.4-0.4-0.3 -0.10.1 0.7 0.8 0.7 0.6 0.7 0.9 Delaware Florida 1.3 1.5 1.5 1.3 1.1 2.3 Georgia 1.2 1.3 1.2 1.3 1.3 1.2 Hawaii -0.4 -0.7-0.6 -0.4-1.3 -0.0Idaho 1.8 1.1 0.9 0.9 1.1 1.1 Illinois -0.20.0 -0.1-0.2-0.2-0.3Indiana 0.1 0.3 0.2 0.10.1-0.1Iowa 0.1 -0.0-0.1 -0.1-0.0-0.5Kansas 0.1 -0.00.20.3 0.0 -0.4Kentucky 0.4 0.3 0.3 0.3 0.3 0.1 Louisiana -0.1-0.3-0.3-0.4-0.4-0.9Maine -0.20.2 0.2 0.1 0.3 0.8 Maryland 0.1 0.10.1 0.2 0.2 0.7 Massachusetts 0.1 0.00.1 0.1 0.1 -0.0-0.1 -0.1 0.2 Michigan 0.3 -0.00.0Minnesota 0.3 0.4 0.3 0.3 0.5 0.4 Mississippi 0.4 0.2 0.3 0.2 0.1 -0.30.5 0.5 0.4 0.2 0.2 0.2 Missouri Montana 1.2 0.5 -0.1 -0.2 0.1 -0.1 -0.2 -0.2 Nebraska 0.3 0.3 0.0 -0.53.9 2.9 4.5 Nevada 3.8 4.1 3.2 New Hampshire 0.6 0.9 0.7 0.6 0.9 1.4 New Jersey 0.1 0.0 0.1 0.0 0.1 0.2 -0.2New Mexico 0.9 0.5 0.1 -0.5-0.4New York -0.6 -0.6 -0.5-0.5-0.4 -0.5North Carolina 1.2 0.8 1.2 1.1 1.0 0.9 North Dakota -0.1 -0.2-0.6 -0.8 -1.0 -1.5 Ohio -0.1 -0.1 -0.2-0.2-0.2-0.3Oklahoma 0.2 0.4 0.3 0.3 0.1 -0.2Oregon 1.3 1.2 1.1 0.7 0.6 0.9 Pennsylvania -0.2 -0.3 -0.2-0.3-0.2 -0.1Rhode Island -0.8 -0.5 -0.4-0.20.0 0.7 South Carolina 0.4 0.6 0.9 0.8 0.7 0.6 South Dakota 0.2 -0.2 -0.5 -0.4 -0.1 -0.3 Tennessee 1.1 1.0 0.8 0.6 0.5 0.4 Texas 8.0 0.8 0.8 0.8 0.7 1.0 Utah 0.9 0.8 0.6 0.1 -0.2 -0.2Vermont 0.3 0.3 0.1 0.1 0.2 0.5 Virginia 0.4 0.4 0.3 0.6 0.8 0.4 Washington 1.1 0.8 0.8 1.1 0.8 0.6 West Virginia 0.0 -0.1-0.2-0.2-0.3 -0.3Wisconsin 0.4 0.1 0.0 0.1 0.2 0.3 Wyoming 0.2 -0.2 -0.6 -0.5-0.6 -0.4U.S. Average* 0.3 0.3 0.4 0.3 0.3 0.5 8 8 Washington's Rank 12 13 13

Table 8

^{*} The District of Columbia is included in the U.S. average. Source: U.S. Department of Commerce, Bureau of the Census. December 2001.

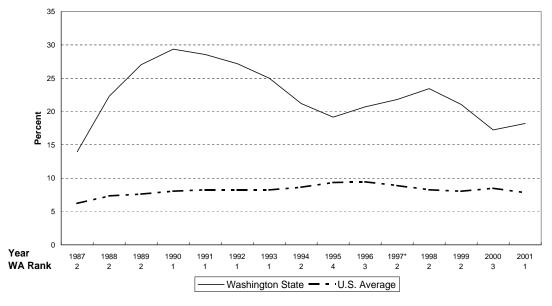
Foreign Exports Inclusive and Exclusive of Transportation Equipment

In 2001, Washington ranked 1st among the states in foreign exports as a percent of personal income, with exports equivalent to 18.2 percent of total personal income. The state's average exports as a percent of personal income for the years 1997-2001 was 20.4 percent, ranking 2nd among the states and well above the national average of 8.3 percent.

Washington's perennially strong performance in this category is due mainly to the presence of Boeing and PACCAR, respectively the world's leading commercial aircraft and truck manufacturers. Exports of transportation equipment from these and other Washington manufacturers regularly account for over half of Washington's exports. Excluding exports of these products, Washington's exports were equivalent to 6.4 percent of personal income, roughly equal to the national average, ranking 13th among the states.

It must be noted that the trade data used for this indicator, obtained from the U.S. Bureau of the Census, only includes trade in goods, not services. Software, one of Washington's main exports, is classified as a service and is therefore not included in this data. As service exports are difficult to track and attribute to specific states, state service export data is not available from the Census. In its 2002 annual report, however, Microsoft, Washington's largest software producer, reported \$7.7 billion worth of foreign sales in its fiscal year ending June 2002. As Microsoft contributes greatly to state personal income while its exports are not included in the trade data, the measure of Washington exports as a percent of personal income understates the contribution of trade to Washington's economy. This growing understatement is part of the reason that exports excluding transportation products as a percentage of personal income, as shown in Chart 9, begins to decline in 1997, as this year coincides with the period where Microsoft's contribution to personal income began its greatest growth.

Chart 9 Foreign Exports (Excluding Transportation Equipment)



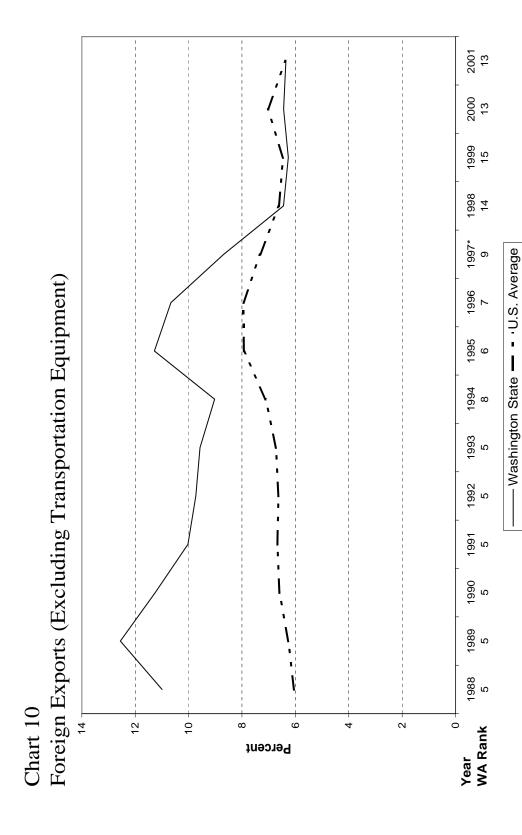
^{*}Trade data from 1997 to 2001 is coded under the North American Industry Classification System(NAICS).

Prior data is coded under Standard Industrial Classification (SIC)

Table 9
Economic Performance
Foreign Exports
(Percent of State Personal Income)

| Alabama 6.50 6.60 6.16 6.92 6.90 6.61 Alaska 16.50 11.40 14.59 13.13 12.31 13.59 Arizona 13.33 10.11 9.83 10.94 9.11 10.67 Arkansas 4.51 4.25 3.89 4.39 4.72 4.35 California 11.51 10.28 9.84 10.88 9.46 10.40 Colorado 4.71 4.45 4.63 4.62 4.14 4.51 Connecticut 6.06 5.84 5.53 5.70 5.92 5.81 Delaware 10.26 10.20 10.05 8.87 7.68 9.41 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.08 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 1 Haboticis 7.77 7.99 7.88 7.84 7.38 7.75 1 Hinois 7.77 7.99 7.88 7.84 7.38 7.77 1 Hidiana 8.63 8.25 8.33 9.28 8.46 8.59 1 Howa 7.53 6.88 5.61 5.74 5.83 6.32 Kantasa 6.73 5.95 6.67 6.94 6.50 6.56 6.52 6.83 6.34 6.34 6.35 6.34 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.34 6.35 6.52 6.35 6.35 6.35 6.35 6.35 6.35 6.35 6.35 | (1 creent of State 1 crsonar | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-2001 |
|--|------------------------------|-------|-------|-------|-------|-------|-----------|
| Alaska 16.50 11.40 14.59 13.13 12.31 13.53 Arizona 13.33 10.11 9.83 10.94 9.11 10.67 Arkansas 4.51 4.25 3.89 4.39 4.72 4.35 California 11.51 10.28 9.84 10.88 9.46 10.40 Colorado 4.71 4.45 4.63 4.62 4.14 4.51 Connecticut 6.06 6.06 5.84 5.53 5.70 5.92 5.81 Delaware 10.26 10.20 10.05 8.87 7.68 9.41 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.03 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 1.58 7.84 7.83 6.84 6.51 6.43 | Alahama | 6.50 | 6.60 | 6 16 | 6.92 | 6 90 | 6.61 |
| Arizona 13.33 10.11 9.83 10.94 9.11 10.67 Arkansas 4.51 4.25 3.89 4.39 4.72 4.35 California 11.51 10.28 9.84 10.88 9.46 10.40 Colorado 4.71 4.45 4.63 4.62 4.14 4.51 Comnecticut 6.06 5.84 5.53 5.70 5.92 5.81 Delaware 10.26 10.20 10.05 8.87 7.68 9.41 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.08 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Kansa 6.73 5.95 6. | | | | | | | |
| Arkansas 4.51 4.25 3.89 4.39 4.72 4.35 California 11.51 10.28 9.84 10.88 9.46 10.40 Colorado 4.71 4.45 4.63 4.62 4.14 4.51 Connecticut 6.06 5.84 5.53 5.70 5.92 5.81 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.03 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Illinois 7.77 7.99 7.88 7.84 7.38 7.77 Indian 8.63 8.25 8.33 9.28 8.46 8.59 Ilimois 7.77 7.99 7.88 7.84 7.38 1.86 6.05 Kansas 6.67 5.95 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| California 11.51 10.28 9.84 10.88 9.46 10.40 Colorado 4.71 4.45 4.63 4.62 4.44 4.51 Connecticut 6.06 5.84 5.53 5.70 5.92 5.81 Delaware 10.26 10.20 10.05 8.87 7.68 9.41 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.08 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Ildiana 8.63 8.25 8.33 9.28 8.46 8.59 Iowa 7.53 6.88 5.61 5.74 5.83 6.32 Kansas 6.73 5.95 6.67 6.94 6.50 6.56 Kentucky 9.59 9.19 9.75 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Colorado 4.71 4.45 4.63 4.62 4.14 4.51 Connecticut 6.06 5.84 5.53 5.70 5.92 5.81 Delaware 10.26 10.20 10.05 8.87 7.68 9.41 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.68 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Idaho 6.59 5.58 7.58 7.84 7.38 7.77 Indiana 8.63 8.25 8.33 9.28 8.46 8.59 Iowa 7.53 6.88 5.61 5.74 5.83 6.32 Kentucky 9.59 9.59 9.19 | | | | | | | |
| Connecticut 6.06 5.84 5.53 5.70 5.92 5.81 Delaware 10.26 10.20 10.05 8.87 7.68 9.41 Florida 6.15 6.04 5.69 5.85 5.73 5.89 Georgia 7.05 6.73 6.43 6.43 6.08 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Illinois 7.77 7.99 7.88 7.84 7.38 7.77 Indiana 8.63 8.25 8.33 9.28 8.46 8.59 Iowa 7.53 6.88 5.61 5.74 5.83 6.32 Kansas 6.73 5.95 6.67 6.94 6.50 6.56 Kentucky 9.59 9.19 9.75 9.80 8.93 9.45 Louisiana 20.30 17.28 15.99 | | | | | | | |
| Delaware | | | | | | | |
| Florida | | | | | | | |
| Georgia 7.05 6.73 6.43 6.43 6.08 6.54 Hawaii 1.07 0.87 0.84 1.13 1.04 0.99 Idaho 6.59 5.58 7.58 11.36 6.52 7.53 Illinois 7.77 7.99 7.88 7.84 7.38 7.77 Indiana 8.63 8.25 8.33 9.28 8.46 8.59 Iowa 7.53 6.88 5.61 5.74 5.83 6.32 Kansas 6.73 5.95 6.67 6.94 6.50 6.56 Kentucky 9.59 9.19 9.75 9.80 8.93 9.45 Louisiana 20.30 17.28 15.99 16.19 15.14 16.98 Maine 6.20 6.19 6.57 5.42 5.27 5.93 Maryland 3.50 2.98 2.40 2.55 2.63 2.81 Missiouri 12.88 10.95 11.24 | | | | | | | |
| Hawaii | | | | | | | |
| Illinois | | | | | | | |
| Indiana | Idaho | 6.59 | 5.58 | 7.58 | 11.36 | 6.52 | 7.53 |
| Indiana 8,63 8,25 8,33 9,28 8,46 8,59 Iowa 7,53 6,88 5,61 5,74 5,83 6,32 Kansas 6,73 5,95 6,67 6,94 6,50 6,56 Kentucky 9,59 9,19 9,75 9,80 8,93 9,45 Louisiana 20,30 17,28 15,99 16,19 15,14 16,98 Maine 6,20 6,19 6,57 5,42 5,27 5,93 Maryland 3,50 2,98 2,40 2,55 2,63 2,81 Massachusetts 8,63 7,74 7,75 8,50 7,05 7,93 Michigan 12,89 10,95 11,24 11,52 10,88 11,50 Minsissippi 4,44 4,15 3,89 4,55 5,72 4,55 Mississippi 4,44 4,15 3,89 4,55 5,72 4,55 Mississippi 4,44 4,15 | Illinois | 7.77 | 7.99 | 7.88 | | 7.38 | 7.77 |
| Kansas 6.73 5.95 6.67 6.94 6.50 6.56 Kentucky 9.59 9.19 9.75 9.80 8.93 9.45 Louisiana 20.30 17.28 15.99 16.19 15.14 16.98 Maine 6.20 6.19 6.57 5.42 5.27 5.93 Maryland 3.50 2.98 2.40 2.55 2.63 2.81 Massachusetts 8.63 7.74 7.75 8.50 7.05 7.93 Michigan 12.89 10.95 11.24 11.52 10.88 11.50 Minissispipi 4.44 4.15 3.89 4.55 5.72 4.55 Mississippi 4.44 <td< td=""><td>Indiana</td><td>8.63</td><td></td><td>8.33</td><td>9.28</td><td>8.46</td><td>8.59</td></td<> | Indiana | 8.63 | | 8.33 | 9.28 | 8.46 | 8.59 |
| Kentucky 9.59 9.19 9.75 9.80 8.93 9.45 Louisiana 20.30 17.28 15.99 16.19 15.14 16.98 Maine 6.20 6.19 6.57 5.42 5.27 5.93 Maryland 3.50 2.98 2.40 2.55 2.63 2.81 Massachusetts 8.63 7.74 7.75 8.50 7.05 7.93 Michigan 12.89 10.95 11.24 11.52 10.88 11.50 Minnesota 7.32 6.53 6.38 6.49 6.39 6.62 Mississippi 4.44 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.35 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 New Hampshire 4.93 4.91< | Iowa | 7.53 | 6.88 | 5.61 | 5.74 | 5.83 | 6.32 |
| Louisiana 20.30 17.28 15.99 16.19 15.14 16.98 Maine 6.20 6.19 6.57 5.42 5.27 5.93 Maryland 3.50 2.98 2.40 2.55 2.63 2.81 Massachusetts 8.63 7.74 7.75 8.50 7.05 7.93 Michigan 12.89 10.95 11.24 11.52 10.88 11.50 Mimesota 7.32 6.53 6.38 6.49 6.62 6.62 Mississippi 4.44 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Mexico 5.09 5.03 | Kansas | 6.73 | 5.95 | 6.67 | 6.94 | 6.50 | 6.56 |
| Louisiana 20,30 17,28 15,99 16,19 15,14 16,98 Maine 6,20 6,19 6,57 5,42 5,27 5,93 Maryland 3,50 2,98 2,40 2,55 2,63 2,81 Massachusetts 8,63 7,74 7,75 8,50 7,05 7,93 Michigan 12,89 10,95 11,24 11,52 10,88 11,50 Minnesota 7,32 6,53 6,38 6,49 6,39 6,62 Mississippi 4,44 4,15 3,89 4,55 5,72 4,55 Missouri 5,13 4,15 4,21 4,22 3,88 4,32 Montana 2,99 2,22 2,20 2,61 2,25 2,46 Nebraska 4,84 4,61 4,63 5,28 5,46 4,96 New Hampshire 4,93 4,91 5,18 5,70 5,59 5,26 New Mexico 5,09 5,0 | Kentucky | 9.59 | 9.19 | 9.75 | 9.80 | 8.93 | 9.45 |
| Maryland 3.50 2.98 2.40 2.55 2.63 2.81 Massachusetts 8.63 7.74 7.75 8.50 7.05 7.93 Michigan 12.89 10.95 11.24 11.52 10.88 11.50 Minnesota 7.32 6.53 6.38 6.49 6.39 6.62 Missouri 5.13 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 New Harsey 5.82 5.51 5.32 5.87 5.80 5.66 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Jersey 5.82 5.51 | | 20.30 | 17.28 | 15.99 | 16.19 | 15.14 | 16.98 |
| Massachusetts 8.63 7.74 7.75 8.50 7.05 7.93 Michigan 12.89 10.95 11.24 11.52 10.88 11.50 Mimesota 7.32 6.53 6.38 6.49 6.39 6.62 Mississippi 4.44 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.00 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 Nevada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Jersey 5.82 5.51 </td <td>Maine</td> <td>6.20</td> <td>6.19</td> <td>6.57</td> <td>5.42</td> <td>5.27</td> <td></td> | Maine | 6.20 | 6.19 | 6.57 | 5.42 | 5.27 | |
| Michigan 12.89 10.95 11.24 11.52 10.88 11.50 Minnesota 7.32 6.53 6.38 6.49 6.39 6.62 Mississippi 4.44 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 Nevada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 </td <td>Maryland</td> <td>3.50</td> <td>2.98</td> <td>2.40</td> <td>2.55</td> <td>2.63</td> <td>2.81</td> | Maryland | 3.50 | 2.98 | 2.40 | 2.55 | 2.63 | 2.81 |
| Minnesota 7.32 6.53 6.38 6.49 6.39 6.62 Mississippi 4.44 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 New Jaccola 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 <td>Massachusetts</td> <td></td> <td></td> <td></td> <td>8.50</td> <td>7.05</td> <td>7.93</td> | Massachusetts | | | | 8.50 | 7.05 | 7.93 |
| Mississippi 4.44 4.15 3.89 4.55 5.72 4.55 Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 Nevada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 | Michigan | | 10.95 | | | 10.88 | 11.50 |
| Missouri 5.13 4.15 4.21 4.22 3.88 4.32 Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 Nevada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 | Minnesota | | | | | | |
| Montana 2.99 2.22 2.20 2.61 2.25 2.46 Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 New dada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 | | | | | | | |
| Nebraska 4.84 4.61 4.63 5.28 5.46 4.96 Nevada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.20 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 <td>Missouri</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Missouri | | | | | | |
| Nevada 2.28 1.32 1.93 2.47 2.26 2.05 New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 | | | | | | | |
| New Hampshire 4.93 4.91 5.18 5.70 5.59 5.26 New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 | | | | | | | |
| New Jersey 5.82 5.51 5.32 5.87 5.80 5.66 New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 < | | | | | | | |
| New Mexico 5.09 5.03 8.30 6.01 3.32 5.55 New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| New York 6.86 6.33 6.02 6.44 6.16 6.36 North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15 | | | | | | | |
| North Carolina 9.13 8.16 7.40 8.21 7.46 8.07 North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6 | | | | | | | |
| North Dakota 5.84 5.10 4.71 3.91 4.91 4.89 Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Virginia 7.08 6.48 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Ohio 8.91 8.48 8.17 8.22 8.27 8.41 Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Oklahoma 3.90 3.73 3.85 3.70 3.07 3.65 Oregon 11.36 10.59 11.75 11.99 9.10 10.96 Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| Oregon 11,36 10,59 11,75 11,99 9,10 10,96 Pennsylvania 5,13 4,83 4,72 5,15 4,62 4,89 Rhode Island 4,14 3,98 3,88 3,86 3,96 3,97 South Carolina 9,27 8,94 7,84 8,77 9,85 8,93 South Dakota 3,18 2,55 2,69 3,48 2,95 2,97 Tennessee 7,36 7,12 6,99 7,71 7,31 7,30 Texas 16,25 15,41 15,42 17,69 15,59 16,07 Utah 7,41 6,37 6,41 6,12 6,39 6,54 Vermont 27,71 24,89 25,88 24,55 16,14 23,84 Virginia 7,08 6,48 5,60 5,26 4,99 5,88 Washington 21,81 23,44 21,07 17,24 18,21 20,35 Wisconsin 7,85 | | | | | | | |
| Pennsylvania 5.13 4.83 4.72 5.15 4.62 4.89 Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 | | | | | | | |
| Rhode Island 4.14 3.98 3.88 3.86 3.96 3.97 South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| South Carolina 9.27 8.94 7.84 8.77 9.85 8.93 South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 | | | | | | | |
| South Dakota 3.18 2.55 2.69 3.48 2.95 2.97 Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Tennessee 7.36 7.12 6.99 7.71 7.31 7.30 Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Texas 16.25 15.41 15.42 17.69 15.59 16.07 Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Utah 7.41 6.37 6.41 6.12 6.39 6.54 Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Vermont 27.71 24.89 25.88 24.55 16.14 23.84 Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Virginia 7.08 6.48 5.60 5.26 4.99 5.88 Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Washington 21.81 23.44 21.07 17.24 18.21 20.35 West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| West Virginia 6.47 5.73 5.05 5.62 5.44 5.66 Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Wisconsin 7.85 7.08 6.72 6.87 6.63 7.03 Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| Wyoming 4.89 4.12 3.56 3.66 3.46 3.94 U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
| U.S. Average 8.91 8.27 8.05 8.49 7.83 8.31 | | | | | | | |
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Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Bureau of Economic Analysis Trade data, prepared by Masschusetts Institute for Social and Economic Research, May 2002.



*Trade data from 1997 to 2001 is coded under the North American Industry Classification System(NAICS). Prior data is coded under Standard Industrial Classification (SIC)

Table 10
Economic Performance
Foreign Exports (Excluding Transportation Equipment)

(Percent of State Personal Income)

| (Percent of State Personal | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-2001 |
|-------------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| Alabama | 6.08 | 5.26 | 4.67 | 5.43 | 5.16 | 5.32 |
| Alaska | 16.31 | 11.17 | 14.44 | 12.88 | 12.03 | 13.37 |
| Arizona | 11.82 | 8.62 | 8.28 | 9.22 | 7.28 | 9.05 |
| Arkansas | 3.90 | 3.73 | 3.52 | 4.01 | 4.12 | 3.85 |
| California | 10.40 | 9.18 | 8.96 | 10.14 | 8.72 | 9.48 |
| Colorado | 4.55 | 4.24 | 4.42 | 4.44 | 3.95 | 4.32 |
| Connecticut | 4.29 | 3.71 | 3.54 | 3.46 | 3.18 | 3.63 |
| Delaware | 8.70 | 7.57 | 8.53 | 7.52 | 6.74 | 7.81 |
| Florida | 5.45 | 5.23 | 5.00 | 5.09 | 4.96 | 5.14 |
| Georgia | 5.89 | 5.50 | 5.06 | 5.36 | 5.18 | 5.40 |
| Hawaii | 0.96 | 0.74 | 0.75 | 1.00 | 0.82 | 0.85 |
| Idaho | 6.52 | 5.50 | 7.46 | 11.25 | 6.46 | 7.44 |
| Illinois | 6.87 | 6.58 | 6.38 | 6.23 | 5.92 | 6.40 |
| Indiana | 5.84 | 5.43 | 5.50 | 6.20 | 5.80 | 5.75 |
| Iowa | 7.11 | 6.49 | 5.13 | 5.27 | 5.43 | 5.89 |
| Kansas | 4.08 | 3.67 | 3.75 | 4.51 | 4.35 | 4.07 |
| Kentucky | 5.88 | 6.05 | 5.88 | 6.19 | 5.93 | 5.99 |
| Louisiana | 19.89 | 16.79 | 15.49 | 15.94 | 14.88 | 16.60 |
| Maine | 5.90 | 5.87 | 6.17 | 5.24 | 5.04 | 5.65 |
| Maryland | 2.20 | 2.10 | 2.00 | 2.20 | 2.21 | 2.14 |
| Massachusetts | 8.28 | 7.43 | 7.43 | 8.23 | 6.87 | 7.65 |
| Michigan | 5.60 | 4.72 | 4.54 | 4.83 | 4.64 | 4.87 |
| Minnesota | 6.78 | 6.04 | 5.96 | 6.04 | 5.88 | 6.14 |
| Mississippi | 4.19 | 3.72 | 3.68 | 4.24 | 4.08 | 3.98 |
| Missouri | 2.93 | 2.97 | 3.07 | 3.16 | 2.75 | 2.98 |
| Montana | 2.95 | 2.18 | 2.14 | 2.57 | 2.21 | 2.41 |
| Nebraska | 4.48 | 4.19 | 4.23 | 4.84 | 4.94 | 4.54 |
| Nevada | 2.12 | 1.19 | 1.63 | 2.26 | 1.84 | 1.81 |
| New Hampshire | 4.72 | 4.76 | 5.04 | 5.56 | 5.45 | 5.11 |
| New Jersey | 5.24 | 4.94 | 4.78 | 5.33 | 5.32 | 5.12 |
| New Mexico | 4.94 | 4.89 | 8.16 | 5.91 | 3.24 | 5.43 |
| New York North Carolina | 6.11 8.46 | 5.55 7.63 | 5.39 6.92 | 5.85 7.72 | 5.51 7.06 | 5.68 7.56 |
| North Dakota | 5.40 5.17 | 4.34 | 4.08 | 3.38 | 4.45 | 4.29 |
| Ohio | 5.75 | 5.39 | 5.25 | 5.39 | 5.11 | 5.38 |
| Oklahoma | 3.73 | 2.99 | 2.87 | 2.77 | 2.50 | 2.89 |
| Oregon | 10.74 | 9.76 | 10.48 | 11.09 | 8.47 | 10.11 |
| Pennsylvania | 4.59 | 4.26 | 4.29 | 4.72 | 4.21 | 4.41 |
| Rhode Island | 4.03 | 3.87 | 3.78 | 3.75 | 3.88 | 3.86 |
| South Carolina | 7.96 | 7.60 | 6.74 | 7.26 | 6.78 | 7.27 |
| South Dakota | 3.02 | 2.42 | 2.56 | 3.38 | 2.84 | 2.84 |
| Tennessee | 5.66 | 5.53 | 5.38 | 5.97 | 5.74 | 5.66 |
| Texas | 14.40 | 13.35 | 13.37 | 15.69 | 13.74 | 14.11 |
| Utah | 6.45 | 5.55 | 5.39 | 4.94 | 5.32 | 5.53 |
| Vermont | 27.33 | 24.53 | 25.43 | 23.93 | 15.45 | 23.33 |
| Virginia | 6.60 | 5.89 | 4.93 | 4.77 | 4.53 | 5.34 |
| Washington | 8.68 | 6.45 | 6.27 | 6.44 | 6.36 | 6.84 |
| West Virginia | 6.37 | 5.64 | 4.92 | 5.42 | 5.00 | 5.47 |
| Wisconsin | 6.87 | 6.22 | 5.84 | 6.02 | 5.93 | 6.18 |
| Wyoming | 4.87 | 4.11 | 3.50 | 3.65 | 3.44 | 3.91 |
| U.S. Average | 7.32 | 6.62 | 6.46 | 7.03 | 6.37 | 6.76 |
| Washington's Rank | 7.32 9 | 14 | 15 | 13 | 13 | 13 |
| Source: I.S. Department of Commerce | | | | | | 13 |

Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Bureau of Economic Analysis

Trade data prepared by Massachusetts Institute for Social and Economic Research, May 2002.

Per Capita Spending in Research and Development

Industrial, University, and Total Per Capita Research & Development

The amount of research and development activity occurring within a state relative to the size of its population provides a good indication of that state's capacity for innovation. Industrial research and development brings new products and processes for continued growth. University and government research and development can provide basic research to support local technology hubs and can also attract funding from outside of the state.

The Division of Science Resources Studies (SRS) of the National Science Foundation annually compiles surveys of industries, universities, and other agencies into a report titled *National Patterns of Research and Development Resources*. This report indicates the state in which the research and development activity took place regardless of the state of the sponsoring party. The state spending figures for industrial, university, and total research and development spending can be divided by the state populations to derive per capita spending. The most recent year of state spending data available is 1998.

In 1998, Washington ranked 24th in per capita university research and development with a spending level of \$94 per capita, slightly below the U.S. average of \$99. For the period 1991-98 its average rank was higher at 19th. In both industry and total 1998 per capita research and development spending, however, the state ranked much higher. Washington's 1998 per capita industrial research and development spending, at \$1314, was over twice as high as the national average of \$620, ranking 4th among the states. The state's total 1998 per capita research and development spending, at \$1488 was also much higher than the national average of \$841, ranking 6th.

Chart 11 Per Capita Research and Development

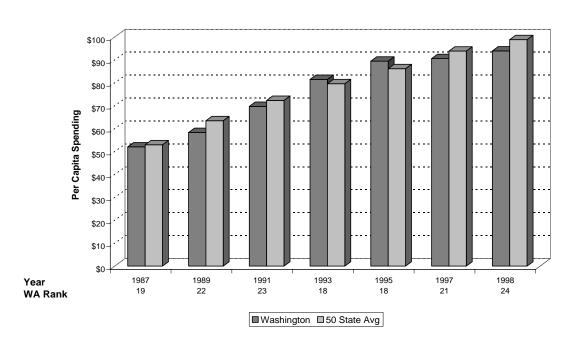


Table 11 University Research and Development (Dollars Per Capita)

| | 1991 | 1993 | 1995 | 1997 | 1998 | 1991-98 |
|-----------------------------|----------|-----------|-----------|----------|----------|----------|
| Alabama | 62 | 67 | 79 | 85 | 102 | 79 |
| Alaska | 118 | 112 | 120 | 117 | 123 | 118 |
| Arizona | 76 | 78 | 88 | 83 | 87 | 82 |
| Arkansas | 23 | 31 | 35 | 40 | 46 | 35 |
| California | 71 | 76 | 82 | 92 | 102 | 85 |
| Colorado | 77 | 93 | 105 | 110 | 123 | 102 |
| Connecticut | 98 | 111 | 116 | 120 | 123 | 114 |
| Delaware | 66 | 75 | 74 | 89 | 98 | 80 |
| Florida | 33 | 36 | 39 | 46 | 48 | 40 |
| Georgia | 73 | 79 | 91 | 102 | 105 | 90 |
| Hawaii | 69 | 64 | 66 | 101 | 124 | 85 |
| Idaho | 40 | 44 | 50 | 53 | 59 | 49 |
| Illinois | 60 | 65 | 69 | 77 | 87 | 72 |
| Indiana | 47 | 53 | 65 | 68 | 72 | 61 |
| Iowa | 93 | 106 | 114 | 120 | 125 | 111 |
| Kansas | 50 | 60 | 70 | 76 | 81 | 67 |
| Kentucky | 26 | 32 | 35 | 40 | 53 | 37 |
| Louisiana | 56 | 60 | 73 | 76 | 81 | 69 |
| Maine | 22 | 20 | 26 | 27 | 28 | 25 |
| Maryland | 216 | 228 | 231 | 244 | 259 | 236 |
| Massachusetts | 159 | 184 | 189 | 207 | 219 | 192 |
| Michigan | 64 | 73 | 78 | 86 | 89 | 78 |
| Minnesota | 75 | 73 | 73 | 77 | 77 | 75 |
| Mississippi | 39 | 40 | 42 | 46 | 55 | 44 |
| Missouri | 59 | 66 | 75 | 86 | 89 | 75 |
| Montana | 47 | 57 | 77 | 80 | 82 | 69 |
| Nebraska | 78 | 84 | 96 | 106 | 112 | 95 |
| Nevada | 52 | 57 | 57 | 53 | 48 | 53 |
| New Hampshire | 71 | 89 | 81 | 92 | 99 | 86 |
| New Jersey | 45 | 47 | 56 | 57 | 60 | 53 |
| New Mexico | 110 | 116 | 137 | 127 | 132 | 124 |
| New York | 79 | 85 | 94 | 98 | 106 | 92 |
| North Carolina | 74 | 87 | 96 | 106 | 119 | 96 |
| North Dakota | 77 | 85 | 93 | 88 | 89 | 86 |
| Ohio | 46 | 54 | 58 | 68 | 72 | 59 |
| Oklahoma | 48 | 54 | 57 | 49 | 63 | 54 |
| Oregon | 61 | 74 | 82 | 90 | 94 | 80 |
| Pennsylvania | 74 | 85 | 95 | 103 | 112 | 94 |
| Rhode Island | 88 | 103 | 107 | 113 | 113 | 105 |
| South Carolina | 42 | 49 | 59 | 58 | 64 | 55 |
| South Dakota | 23 | 31 | 29 | 34 | 34 | 30 |
| Tennessee | 49 | 55 77 | 59 | 61 | 64 | 58 |
| Texas | 70 | 77 | 79 | 82 | 86 | 79 |
| Utah | 114 | 104 | 102 | 113 | 119 | 110 |
| Vermont | 82 | 87 | 93 | 101 | 98 72 | 92 |
| Virginia Washington | 55 70 | 62 | 68 80 | 68 | 72 | 65 95 |
| Washington Wast Virginia | 70 | 82 | 89 | 91 25 | 94 25 | 85 22 |
| West Virginia | 28 | 30 | 29 | 35 | 35 | 32 |
| Wisconsin | 78 50 | 88 69 | 92 85 | 96 | 103 | 91 |
| Wyoming | 30 | 09 | 83 | 99 | 101 | 81 |
| US Average | 72 | 80 | 86 | 94 | 99 | 86 |
| Washington Rank | 23 | 18 | 18 | 21 | 24 | 19 |
| | | | | | | |

Source: The National Science Foundation (www.nsf.gov)

Chart 12 Industry Research and Development

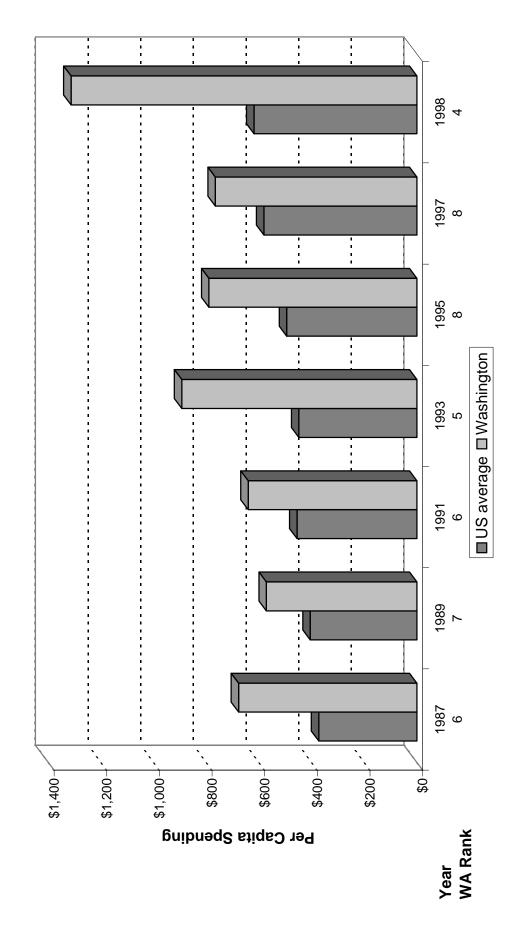


Table 12
Industry Research and Development
(Dollars Per Capita)

| | 1991 | 1993 | 1995 | 1997 | 1998 | 1991-98 |
|-------------------|-------|-------|-------|-------|-------|---------|
| Alabama | 127 | 199 | 161 | 159 | 162 | 162 |
| Alaska | 32 | 23 | 50 | 49 | D | 39 |
| Arizona | 251 | 261 | 315 | 298 | 370 | 299 |
| Arkansas | 45 | 76 | 73 | 72 | 46 | 62 |
| California | 700 | 852 | 912 | 891 | 1,088 | 889 |
| Colorado | D | 593 | 499 | 479 | 898 | 617 |
| Connecticut | 467 | 725 | 1,196 | 1,195 | 951 | 907 |
| Delaware | D | 1,688 | 1,499 | 1,465 | 3,328 | 1,995 |
| Florida | 196 | 177 | 289 | 279 | 221 | 232 |
| Georgia | 131 | 125 | 163 | 157 | 189 | 153 |
| Hawaii | 10 | 220 | 12 | 12 | 14 | 53 |
| Idaho | D | 355 | 710 | 683 | 835 | 646 |
| Illinois | 436 | 447 | 486 | 481 | 571 | 484 |
| Indiana | 355 | 382 | 470 | 463 | 444 | 423 |
| Iowa | 165 | 189 | 351 | 350 | 222 | 255 |
| Kansas | D | 115 | 220 | 217 | 485 | 259 |
| Kentucky | 41 | 76 | 117 | 116 | 109 | 92 |
| Louisiana | 41 | 40 | 14 | 14 | 23 | 26 |
| Maine | D | 48 | 231 | 230 | 66 | 144 |
| Maryland | 248 | 420 | 214 | 211 | 340 | 287 |
| Massachusetts | 1,056 | 1,157 | 1,223 | 1,213 | 1,726 | 1,275 |
| Michigan | 864 | 1,041 | 1,282 | 1,266 | 1,288 | 1,148 |
| Minnesota | 409 | 544 | 572 | 562 | 703 | 558 |
| Mississippi | 16 | 20 | 25 | 24 | 27 | 22 |
| Missouri | D | 263 | 381 | 375 | 241 | 315 |
| Montana | D | 17 | 20 | 19 | 93 | 37 |
| Nebraska | 37 | 79 | 92 | 91 | 56 | 71 |
| Nevada | 65 | 49 | 211 | 192 | 249 | 153 |
| New Hampshire | D | 221 | 412 | 402 | 1,001 | 509 |
| New Jersey | 1,003 | 1,036 | 1,029 | 1,018 | 1,287 | 1,075 |
| New Mexico | 688 | 596 | 868 | 848 | 695 | 739 |
| New York | 459 | 486 | 477 | 477 | 615 | 503 |
| North Carolina | 190 | 278 | 310 | 300 | 446 | 305 |
| North Dakota | D | 14 | 19 | 19 | 53 | 26 |
| Ohio | 432 | 465 | 359 | 357 | 475 | 417 |
| Oklahoma | 124 | 96 | 88 | 87 | 73 | 94 |
| Oregon | 120 | 155 | 236 | 228 | 455 | 239 |
| Pennsylvania | 524 | 558 | 443 | 444 | 590 | 512 |
| Rhode Island | 151 | 176 | 526 | 527 | 1,336 | 543 |
| South Carolina | 118 | 136 | 200 | 195 | 181 | 166 |
| South Dakota | 7 | 31 | 26 | 26 | 7 | 19 |
| Tennessee | 149 | 156 | 191 | 186 | 376 | 212 |
| Texas | 274 | 271 | 332 | 321 | 427 | 325 |
| Utah | 201 | 219 | 406 | 389 | 528 | 349 |
| Vermont | D | 495 | 426 | 421 | 190 | 383 |
| Virginia | 177 | 168 | 239 | 234 | 399 | 243 |
| Washington | 641 | 894 | 791 | 766 | 1,314 | 881 |
| West Virginia | D | 55 | 133 | 134 | 124 | 112 |
| Wisconsin | 230 | 266 | 332 | 328 | 367 | 305 |
| Wyoming | 4 | 32 | 52 | 52 | 4 | 29 |
| U.S. | 456 | 449 | 495 | 582 | 620 | 520 |
| Washington's Rank | 6 | 5 | 8 | 8 | 4 | 7 |

Source: The National Science Foundation(www.nsf.gov)

Chart 13
Per Capita Research and Development

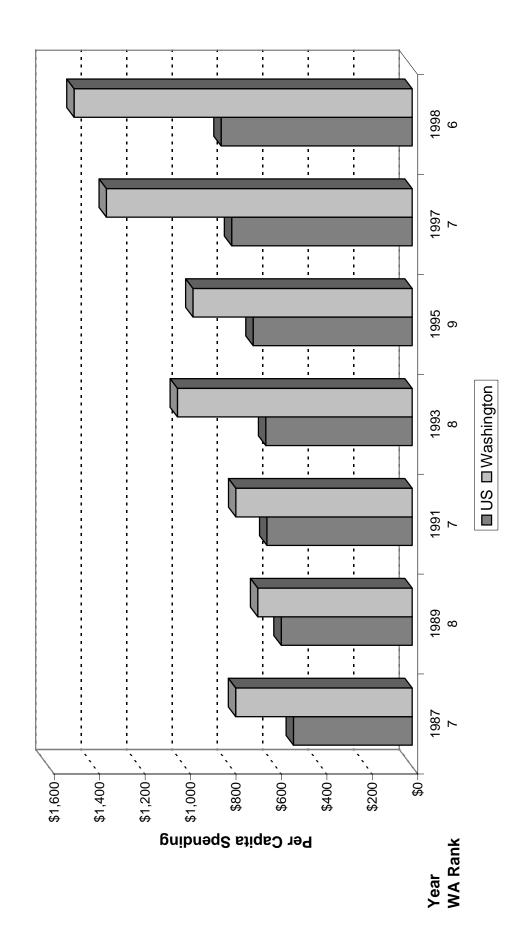


Table 13 **Total Research and Development**(Dollars Per Capita)

| | 1991 | 1993 | 1995 | 1997 | 1998 | 1991-98 |
|-------------------|-------|-------|-------|-------|-------|---------|
| Alabama | 369 | 469 | 394 | 379 | 443 | 411 |
| Alaska | 257 | 216 | 272 | 223 | D | 242 |
| Arizona | 372 | 403 | 454 | 529 | 497 | 451 |
| Arkansas | 84 | 124 | 133 | 108 | 112 | 112 |
| California | 932 | 1,083 | 1,144 | 1,293 | 1,344 | 1,159 |
| Colorado | NA | 804 | 722 | 824 | 1,150 | 875 |
| Connecticut | 583 | 858 | 1,320 | 1,057 | 1,087 | 981 |
| Delaware | NA | 1,785 | 1,599 | 1,481 | 3,435 | 2,075 |
| Florida | 278 | 257 | 368 | 326 | 320 | 310 |
| Georgia | 223 | 229 | 294 | 303 | 326 | 275 |
| Hawaii | 128 | 327 | 143 | 231 | 203 | 206 |
| Idaho | NA | 434 | 785 | 1,049 | 915 | 796 |
| Illinois | 556 | 578 | 630 | 669 | 732 | 633 |
| Indiana | 419 | 449 | 546 | 536 | 523 | 495 |
| Iowa | 278 | 320 | 490 | 343 | 368 | 360 |
| Kansas | NA | 182 | 295 | 516 | 575 | 392 |
| Kentucky | 85 | 113 | 154 | 135 | 164 | 130 |
| Louisiana | 107 | 110 | 98 | 127 | 124 | 113 |
| Maine | NA | 92 | 279 | 119 | 128 | 155 |
| Maryland | 1,181 | 1,524 | 1,367 | 1,452 | 1,563 | 1,417 |
| Massachusetts | 1,428 | 1,580 | 1,644 | 1,815 | 2,178 | 1,729 |
| Michigan | 942 | 1,131 | 1,374 | 1,430 | 1,391 | 1,254 |
| Minnesota | 503 | 646 | 670 | 769 | 808 | 679 |
| Mississippi | 117 | 123 | 117 | 135 | 133 | 125 |
| Missouri | NA | 342 | 469 | 338 | 344 | 373 |
| Montana | NA | 108 | 137 | 227 | 217 | 172 |
| Nebraska | 132 | 183 | 205 | 166 | 189 | 175 |
| Nevada | 203 | 158 | 292 | 308 | 327 | 258 |
| New Hampshire | NA | 391 | 522 | 681 | 1,130 | 681 |
| New Jersey | 1,128 | 1,166 | 1,146 | 1,498 | 1,404 | 1,268 |
| New Mexico | 1,674 | 1,704 | 1,959 | 1,757 | 1,749 | 1,768 |
| New York | 572 | 605 | 604 | 678 | 756 | 643 |
| North Carolina | 291 | 395 | 444 | 628 | 604 | 473 |
| North Dakota | NA | 144 | 152 | 181 | 187 | 166 |
| Ohio | 546 | 578 | 476 | 637 | 620 | 572 |
| Oklahoma | 191 | 165 | 162 | 194 | 154 | 173 |
| Oregon | 206 | 255 | 347 | 469 | 582 | 372 |
| Pennsylvania | 638 | 689 | 574 | 683 | 730 | 663 |
| Rhode Island | 483 | 485 | 906 | 1,054 | 1,698 | 925 |
| South Carolina | 167 | 196 | 269 | 274 | 258 | 233 |
| South Dakota | 46 | 82 | 75 | 98 | 82 | 76 |
| Tennessee | 231 | 238 | 266 | 291 | 461 | 297 |
| Texas | 383 | 387 | 449 | 490 | 547 | 451 |
| Utah | 375 | 400 | 579 | 669 | 712 | 547 |
| Vermont | NA | 597 | 529 | 533 | 297 | 489 |
| Virginia | 442 | 455 | 590 | 614 | 727 | 566 |
| Washington | 776 | 1,033 | 965 | 1,346 | 1,488 | 1,122 |
| West Virginia | NA | 154 | 261 | 235 | 232 | 221 |
| Wisconsin | 318 | 366 | 433 | 434 | 479 | 406 |
| Wyoming | 90 | 134 | 181 | 181 | 136 | 144 |
| , 0 | 70 | 151 | 101 | 101 | 150 | 111 |
| US | 640 | 644 | 700 | 795 | 841 | 724 |
| Washington's rank | 7 | 8 | 9 | 7 | 6 | 8 |

Source: The National Science Foundation(www.nsf.gov)

Unemployment Rate

In 2001, the national unemployment rate began to increase after reaching its lowest point in 31 years, increasing from an annual average of 4.0 percent to 4.5 percent. Washington's unemployment rate, having reached its lowest point in 33 years in 1999, increased in both 2000 and 2001, with its 2001 rate of 6.4 percent raking 50th among the states.

Historically, Washington has nearly always had an unemployment rate higher than the national average. Starting in the late 1980's, however, the gap between the two rates began to narrow, with Washington's rate sometimes below the national rate. This narrowing has been attributed to the decrease in the percent of Washington's workforce employed in seasonal industries such as agriculture, fishing, forest products, and food processing. It remains to be seen whether or not this trend will continue after the current period of increasing divergence.

Chart 14 Unemployment Rate

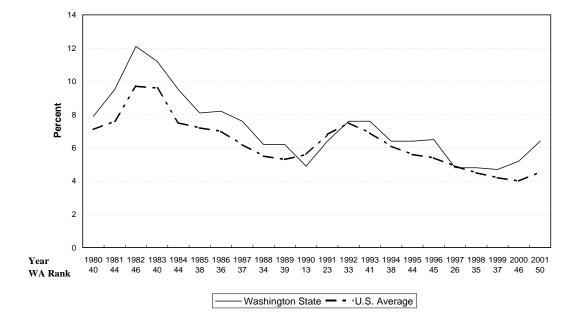


Table 14 Economic Performance **Unemployment Rate**

| r v | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-01 |
|-------------------|------|------|-------------|------|------|---------|
| Alabama | 5.1 | 4.2 | 4.8 | 4.6 | 5.3 | 4.8 |
| Alaska | 7.9 | 5.8 | 6.4 | 6.6 | 6.3 | 6.6 |
| Arizona | 4.6 | 4.1 | 4.4 | 3.9 | 4.7 | 4.3 |
| Arkansas | 5.3 | 5.5 | 4.5 | 4.4 | 5.1 | 5.0 |
| California | 6.3 | 5.9 | 5.2 | 4.9 | 5.3 | 5.5 |
| Colorado | 3.3 | 3.8 | 2.9 | 2.7 | 3.7 | 3.3 |
| Connecticut | 5.1 | 3.4 | 3.2 | 2.3 | 3.3 | 3.5 |
| Delaware | 4.0 | 3.8 | 3.5 | 4.0 | 3.5 | 3.8 |
| Florida | 4.8 | 4.3 | 3.9 | 3.6 | 4.8 | 4.3 |
| Georgia | 4.5 | 4.2 | 4.0 | 3.7 | 4.0 | 4.1 |
| Hawaii | 6.4 | 6.2 | 5.6 | 4.3 | 4.6 | 5.4 |
| Idaho | 5.3 | 5.0 | 5.2 | 4.9 | 5.0 | 5.1 |
| Illinois | 4.7 | 4.5 | 4.3 | 4.4 | 5.4 | 4.7 |
| Indiana | 3.5 | 3.1 | 3.0 | 3.2 | 4.4 | 3.4 |
| Iowa | 3.3 | 2.8 | 2.5 | 2.6 | 3.3 | 2.9 |
| Kansas | 3.8 | 3.8 | 3.0 | 3.7 | 4.3 | 3.7 |
| Kentucky | 5.4 | 4.6 | 4.5 | 4.1 | 5.5 | 4.8 |
| Louisiana | 6.1 | 5.7 | 5.1 | 5.5 | 6.0 | 5.7 |
| Maine | 5.4 | 4.4 | 4.1 | 3.5 | 4.0 | 4.3 |
| Maryland | 5.1 | 4.6 | 3.5 | 3.9 | 4.1 | 4.2 |
| Massachusetts | 4.0 | 3.3 | 3.2 | 2.6 | 3.7 | 3.4 |
| Michigan | 4.2 | 3.9 | 3.8 | 3.6 | 5.3 | 4.2 |
| Minnesota | 3.3 | 2.5 | 2.8 | 3.3 | 3.7 | 3.1 |
| Mississippi | 5.7 | 5.4 | 5.1 | 5.7 | 5.5 | 5.5 |
| Missouri | 4.2 | 4.2 | 3.4 | 3.5 | 4.7 | 4.0 |
| Montana | 5.4 | 5.6 | 5.2 | 4.9 | 4.6 | 5.1 |
| Nebraska | 2.6 | 2.7 | 2.9 | 3.0 | 3.1 | 2.9 |
| Nevada | 4.1 | 4.3 | 4.4 | 4.1 | 5.3 | 4.4 |
| New Hampshire | 3.1 | 2.9 | 2.7 | 2.8 | 3.5 | 3.0 |
| New Jersey | 5.1 | 4.6 | 4.6 | 3.8 | 4.2 | 4.5 |
| New Mexico | 6.2 | 6.2 | 5.6 | 4.9 | 4.8 | 5.5 |
| New York | 6.4 | 5.6 | 5.2 | 4.6 | 4.9 | 5.3 |
| North Carolina | 3.6 | 3.5 | 3.2 | 3.6 | 5.5 | 3.9 |
| North Dakota | 2.5 | 3.2 | 3.4 | 3.0 | 2.8 | 3.0 |
| Ohio | 4.6 | 4.3 | 4.3 | 4.1 | 4.3 | 4.3 |
| Oklahoma | 4.1 | 4.5 | 3.4 | 3.0 | 3.8 | 3.8 |
| Oregon | 5.8 | 5.6 | 5.7 | 4.9 | 6.3 | 5.7 |
| Pennsylvania | 5.2 | 4.6 | 4.4 | 4.2 | 4.7 | 4.6 |
| Rhode Island | 5.3 | 4.9 | 4.1 | 4.1 | 4.7 | 4.6 |
| South Carolina | 4.5 | 3.8 | 4.5 | 3.9 | 5.4 | 4.4 |
| South Dakota | 3.1 | 2.9 | 2.9 | 2.3 | 3.3 | 2.9 |
| Tennessee | 5.4 | 4.2 | 4.0 | 3.9 | 4.5 | 4.4 |
| Texas | 5.4 | 4.8 | 4.6 | 4.2 | 4.9 | 4.8 |
| Utah | 3.1 | 3.8 | 3.7 | 3.2 | 4.4 | 3.6 |
| Vermont | 4.0 | 3.4 | 3.0 | 2.9 | 3.6 | 3.4 |
| Virginia | 4.0 | 2.9 | 2.8 | 2.2 | 3.5 | 3.1 |
| Washington | 4.8 | 4.8 | 4. 7 | 5.2 | 6.4 | 5.2 |
| West Virginia | 6.9 | 6.6 | 6.6 | 5.5 | 4.9 | 6.1 |
| Wisconsin | 3.7 | 3.4 | 3.0 | 3.5 | 4.6 | 3.6 |
| Wyoming | 5.1 | 4.8 | 4.9 | 3.9 | 3.9 | 4.5 |
| U.S. Average | 4.9 | 4.5 | 4.2 | 4.0 | 4.5 | 4.4 |
| Washington's Rank | 26 | 35 | 37 | 46 | 50 | 41 |

Source: U.S. Department of Labor, Bureau of Labor Statistics. July 2002 (www.bls.gov)

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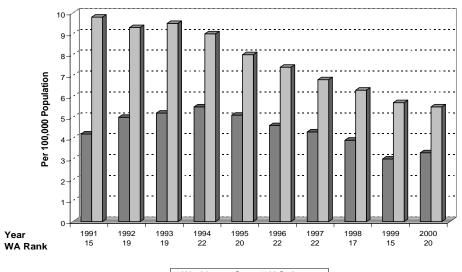
Quality of Life

Homicide Rate, Violent Crime Rate, Arrest Rate for Violent Crimes

Crime statistics can prove difficult to interpret because reporting procedures vary dramatically among states. Furthermore, nearly two-thirds of all crimes and three-fifths of violent crimes are never reported, creating a considerable discrepancy between actual and reported crime rates. In view of the fact that reporting methods differ across states, it is clear that state comparisons would be difficult and uncertain. However, recognizing the need for consistent national crime statistics, the International Association of Chiefs of Police established the Uniform Crime Records (UCR). The program's primary objective is to generate a reliable set of criminal statistics by mandating specific reporting requirements and criterion for gathering data that ensures consistency and comparability among states. The UCR program is a nationwide, statistical effort of over 17,000 city, county, and state law enforcement agencies. During 1999, the law enforcement agencies that voluntarily participated in the UCR program represented approximately 260 million United States inhabitants or 95 percent of the total population as established by the Bureau of the Census. Over the years its data have become one of the country's leading social indicators and is therefore used within this study. Specifically, the homicide rate, the violent crime rate (i.e. offenses of murder, forcible rape, robbery, and aggravated assault) and the arrest rate for violent crimes are included because of their seriousness and prevalence in media reporting.

In 2000, Washington's homicide rate, as measured per 100,000 people, increased from 3.0 (1999) to 3.3 (2000) and Washington's national rank thus declined from 15th to 20th. The violent crime rate, also measured per 100,000 people, declined from 377(1999) to 370(2000). Although Washington's violent crime rate of 370 is below the national average of 457, its national rank declined from 24th (1999) to 25th (2000). The Arrest Rate for Violent Crimes increased from 169 (1999) to 176 (2000), as measured per 100,000 people, and Washington's national rank decreased from 19th (1999) to 27th (2000). As in all years since UCR statistics began being reported, Washington continues to rank well below the national average in these categories of crime.

Chart 15 Homicide Rate



■Washington State ■U.S. Average

| Table 15 | | | | | | |
|--------------------------|-------------|------------|------------|------------|------------|------------|
| Quality of Life | | | | | | |
| | | | | | | |
| Homicide Rate | | | | | | |
| (Per 100,000 Population) | | | | | | |
| | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
| Alabama | 10.4 | 9.9 | 8.1 | 7.9 | 7.4 | 8.7 |
| Alaska | 7.4 | 8.9 | 6.7 | 8.6 | 4.3 | 7.2 |
| Arizona | 8.5 | 8.2 | 8.1 | 8.0 | 7.0 | 8.0 |
| Arkansas | 8.7 | 9.9 | 7.9 | 5.6 | 6.3 | 7.7 |
| California | 9.1 | 8.0 | 6.6 | 6.0 | 6.1 | 7.2 |
| Colorado | 4.7 | 4.0 | 4.6 | 4.6 | 3.1 | 4.2 |
| Connecticut | 4.8 | 3.8 | 4.1 | 3.3 | 2.9 | 3.8 |
| Delaware | 4.3 | 2.5 | 2.8 | 3.2 | 3.2 | 3.2 |
| Florida | 7.5 | 6.9 | 6.5 | 5.7 | 5.6 | 6.4 |
| Georgia | 8.6 | 7.5 | 8.1 | 7.5 | 8.0 | 7.9 |
| Hawaii | 3.4 | 4.0 | 2.0 | 3.7 | 2.9 | 3.2 |
| Idaho | 3.6 | 3.2 | 2.9 | 2.0 | 1.2 | 2.6 |
| Illinois | 10.0 | 9.2 | 8.4 | 7.7 | 7.2 | 8.5 |
| Indiana | 7.2 | 7.3 | 7.7 | 6.6 | 5.8 | 6.9 |
| Iowa | 1.9 | 1.8 | 1.9 | 1.5 | 1.6 | 1.7 |
| Kansas | 6.6 | 6.0 | 5.9 | 6.0 | 6.3 | 6.2 |
| Kentucky | 5.9 | 5.8 | 4.6 | 0.0 | 4.8 | 4.2 |
| Louisiana | 17.5 | 15.7 | 12.8 | 10.7 | 12.5 | 13.8 |
| Maine | 2.0 | 2.0 | 2.0 | 2.2 | 1.2 | 1.9 |
| Maryland | 11.6 | 9.9 | 10.0 | 9.0 | 8.1 | 9.7 |
| Massachusetts | 2.6 | 1.9 | 2.0 | 2.0 | 2.0 | 2.1 |
| Michigan | 4.5 3.6 | 7.8 2.8 | 7.3 2.6 | 7.0 2.8 | 6.7 3.1 | 6.7 3.0 |
| Minnesota | 3.0 11.1 | 13.1 | 11.4 | 2.8 7.7 | 9.0 | 10.5 |
| Mississippi Missouri | 8.1 | 7.9 | 7.3 | 6.6 | 6.2 | 7.2 |
| Montana | 3.9 | 4.8 | 4.1 | 2.6 | 1.8 | 3.4 |
| Nebraska | 2.9 | 3.0 | 3.1 | 3.6 | 3.7 | 3.3 |
| Nevada | 13.7 | 11.2 | 9.7 | 9.1 | 6.5 | 10.0 |
| New Hampshire | 1.7 | 1.4 | 1.5 | 1.5 | 1.8 | 1.6 |
| New Jersey | 4.2 | 4.2 | 4.0 | 3.5 | 3.4 | 3.9 |
| New Mexico | 11.5 | 7.7 | 10.9 | 9.8 | 7.4 | 9.5 |
| New York | 7.4 | 6.0 | 5.1 | 5.0 | 5.0 | 5.7 |
| North Carolina | 8.5 | 8.3 | 8.1 | 7.2 | 7.0 | 7.8 |
| North Dakota | 2.2 | 0.9 | 1.1 | 1.6 | 0.6 | 1.3 |
| Ohio | 4.8 | 4.7 | 4.0 | 3.5 | 3.7 | 4.1 |
| Oklahoma | 6.8 | 6.9 | 6.1 | 6.9 | 5.3 | 6.4 |
| Oregon | 4.0 | 2.9 | 3.8 | 2.7 | 2.0 | 3.1 |
| Pennsylvania | 5.7 | 5.9 | 5.3 | 4.9 | 4.9 | 5.3 |
| Rhode | 2.5 | 2.5 | 2.4 | 3.6 | 4.3 | 3.1 |
| South Carolina | 9.0 | 8.4 | 8.0 | 6.6 | 5.8 | 7.6 |
| South Dakota | 1.2 | 1.4 | 1.4 | 2.5 | 0.9 | 1.5 |
| Tennessee | 9.5 | 9.5 | 8.5 | 7.1 | 7.2 | 8.4 |
| Texas | 7.7 | 6.8 | 6.8 | 6.1 | 5.9 | 6.7 |
| Utah | 3.2 | 2.4 | 3.1 | 2.1 | 1.9 | 2.5 |
| Vermont | 1.9 | 1.5 | 2.2 | 2.9 | 1.5 | 2.0 |
| Virginia | 7.5 | 7.2 | 6.2 | 5.7 | 5.7 | 6.5 |
| Washington | 4.6 | 4.3 | 3.9 | 3.0 | 3.3 | 3.8 |
| West Virginia | 3.8 | 4.1 | 4.3 | 4.4 | 2.5 | 3.8 |
| Wisconsin | 4.0 | 4.0 | 3.6 | 3.4 | 3.2 | 3.6 |
| Wyoming | 3.3 | 3.5 | 4.8 | 2.3 | 2.4 | 3.3 |
| U.S. Average | 7.4 | 6.8 | 6.3 | 5.7 | 5.5 | 6.3 |
| Washington's Rank | 22 | 22 | 17 | 15 | 20 | 20 |

Source: U.S. Department of Justice. Federal Bureau of Investigation. Crime in the United States-Uniform Crime Reports: 1991-2000. (www.fbi.gov) NA: Complete arrest data were not available.

2000 25 1999 24 1998 25 1997 23 ■Washington □U.S. Average 1996 22 1995 24 1994 24 1993 26 1992 25 Chart 16 Violent Crime Rate 1991 24 100 ⊣ ∵∭ 700--009 -009 400 200-0 300 800 □ Year WA Rank Per 100,000 Population

Table 16
Quality of Life
Violent Crime Rate
(Per 100,000 Population)

| Alabama 565 565 512 490 486 524 Alaska 728 701 654 632 567 656 Alaxona 632 624 578 551 532 583 Arkansas 524 527 490 425 445 482 California 863 798 704 627 622 723 620 723 620 723 723 724 725 728 728 728 728 728 728 728 728 728 728 | (Per 100,000 Population) | 1006 | 1007 | 1000 | 1000 | 2000 | 1007.00 |
|--|--------------------------|------|------|------|------|------|---------|
| Alaska 728 701 654 632 567 656 Arizoma 632 624 578 551 532 83 Arkansas 524 527 490 425 445 482 California 863 798 704 627 622 723 Colorado 405 363 378 341 334 364 Connecticut 412 391 366 346 325 368 Delaware 668 678 762 734 684 705 Florida 1,051 1,024 939 854 812 936 Georgia 639 607 573 534 505 571 Hawaii 281 278 247 235 244 225 Idaho 267 227 282 245 253 261 Idaha 231 310 312 280 266 288 <th></th> <th>1996</th> <th>1997</th> <th>1998</th> <th>1999</th> <th>2000</th> <th>1996-00</th> | | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
| Arizona 632 by 524 by 527 by 625 by 532 by 632 | | | | | | | |
| Arkansas 524 527 490 425 445 482 California 863 798 704 627 622 723 Colorado 405 363 378 341 334 364 Connecticut 412 391 366 346 325 368 Belavare 668 678 762 734 684 705 Florida 1,051 1,024 939 854 812 936 Georgia 639 607 573 534 505 571 Hawaii 281 278 247 235 244 257 Idaho 267 227 282 245 253 261 Illinois 886 861 808 733 657 789 Indiana 557 515 431 375 349 441 Iowa 2273 310 312 280 266 288 | | | | | | | |
| California 863 798 704 627 622 723 Colorado 405 363 378 341 334 364 Connecticut 412 391 366 346 325 368 Delaware 668 678 762 734 684 705 Florida 1,051 1,024 939 854 812 936 Georgia 639 607 573 534 505 571 Hawaii 281 278 247 235 244 257 Idaho 267 257 282 245 253 261 Illinois 886 861 808 733 657 789 Ildaho 267 257 282 245 253 261 Illinois 886 861 808 733 681 789 Ildaha 31 375 313 312 245 245 | | | | | | | |
| Colorado 405 363 378 341 334 364 Connecticut 412 391 366 346 325 368 Delaware 668 678 762 734 684 705 Florida 1,051 1,024 939 854 812 936 Georgia 639 607 573 534 505 571 Hawaii 281 278 247 235 244 257 Idaho 267 257 282 245 253 261 Illinois 886 861 808 733 657 789 Indian 537 515 431 375 349 441 257 Ibawai 2273 310 312 280 266 288 Kansas 414 409 397 383 389 398 Kentucky 321 317 284 301 295 | | | | | | | |
| Connecticut 412 391 366 346 325 368 Delaware 668 678 762 734 684 705 Florida 1,051 1,024 939 884 812 936 Georgia 639 607 573 534 505 571 Hawaii 281 278 247 235 244 257 Idaho 267 257 282 245 253 261 Illinois 886 861 808 733 657 789 Indiana 537 515 431 375 349 441 Iowa 273 310 312 280 266 288 Kansas 414 409 397 383 389 398 Kentucky 321 317 284 301 295 303 Louisiana 929 856 780 733 681 796 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Delaware 668 | | | | | | | |
| Florida | | | | | | | |
| Georgia 639 607 573 534 505 571 Hawaii 281 278 247 235 244 257 Idaho 267 257 282 245 253 261 Illinois 886 861 808 733 657 789 Indiana 537 515 431 375 349 441 Iowa 273 310 312 280 266 288 Kansas 414 409 397 383 389 398 Kentucky 321 317 284 301 295 303 Louisiana 929 856 780 733 681 796 Maine 125 121 126 112 110 119 119 Maryland 931 847 797 743 787 821 Massachusetts 642 644 621 551 476 | | | | | | | |
| Hawaii | | | | | | | |
| Idaho 267 257 282 245 253 261 Illinois 886 861 808 733 657 789 Indiana 537 515 431 375 349 441 Iowa 273 310 312 280 266 288 Kansas 414 409 397 383 389 398 Kentucky 321 317 284 301 295 303 Louisiana 929 856 780 733 681 796 Maine 125 121 126 112 110 119 Maryland 931 847 797 743 787 821 Massachusetts 642 644 621 551 476 587 Michigan 635 590 621 575 555 595 Minnesota 339 338 310 274 281 308 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Illinois | | | | | | | |
| Indiana | | | | | | | |
| Iowa | | | | | | | |
| Kansas 414 409 397 383 389 398 Kentucky 321 317 284 301 295 303 Louisiana 929 856 780 733 681 796 Maine 125 121 126 112 110 119 Maryaland 931 847 797 743 787 821 Massachusetts 642 644 621 551 476 587 Michigan 635 590 621 575 555 595 Minnesota 339 338 310 274 281 308 Mississippi 488 469 411 349 361 416 Missouri 591 577 556 500 490 543 Montana 161 132 139 207 241 176 Nebraska 435 438 451 430 328 416 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Kentucky 321 317 284 301 295 303 Louisiana 929 856 780 733 681 796 Maine 125 121 126 112 110 119 Maryland 931 847 797 743 787 821 Massachusetts 642 644 621 551 476 587 Mischigan 635 590 621 575 555 595 Minnesota 339 338 310 274 281 308 Mississispipi 488 469 411 349 361 416 Missouri 591 577 556 500 490 543 Montana 161 132 139 207 241 176 Nebraska 435 438 451 430 328 416 Newada 811 799 644 570 524 670< | | | | | | | |
| Louisiana 929 856 780 733 681 796 Maine 125 121 126 112 110 119 Maryland 931 847 797 743 787 821 Massachusetts 642 644 621 551 476 587 Michigan 635 590 621 575 555 595 Michigan 635 590 621 575 555 595 Mimesota 338 338 310 274 281 308 Mississippi 488 469 411 349 361 416 Mississippi 488 469 411 370 241 | | | | | | | |
| Maine 125 121 126 112 110 119 Maryland 931 847 797 743 787 821 Massachusetts 642 644 621 551 476 587 Michigan 635 590 621 575 555 595 Mincola 339 338 310 274 281 308 Mississippi 488 469 411 349 361 416 Missouri 591 577 556 500 490 543 Montana 161 132 139 207 241 176 Nebraska 435 438 451 430 328 416 Nevada 811 799 644 570 524 670 New Hampshire 118 113 107 97 175 122 New Mexico 841 853 961 835 758 850< | | | | | | | |
| Maryland 931 847 797 743 787 821 Massachusetts 642 644 644 621 551 476 587 Michigan 635 590 621 575 555 595 Minnesota 339 338 310 274 281 308 Mississippi 488 469 411 349 361 416 Missouri 591 577 556 500 490 543 Montana 161 132 139 207 241 176 Nebraska 435 438 451 430 328 416 Nevada 811 799 644 570 524 670 New Hensel 118 113 107 97 175 122 New Jersey 532 493 440 412 384 452 New Mexico 841 853 961 835 | | | | | | | |
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| Minnesota 339 338 310 274 281 308 Mississippi 488 469 411 349 361 416 Missouri 591 577 556 500 490 543 Montana 161 132 139 207 241 176 Nebraska 435 438 451 430 328 416 Nevada 811 799 644 570 524 670 New Hampshire 118 113 107 97 175 122 New Jersey 532 493 440 412 384 452 New Mexico 841 853 961 835 758 850 North Carolina 588 607 579 542 498 563 North Dakota 84 87 89 67 81 82 Ohio 429 435 363 316 334 37 | | | | | | | |
| Mississippi 488 469 411 349 361 416 Missouri 591 577 556 500 490 543 Montana 161 132 139 207 241 176 Nebraska 435 438 451 430 328 416 Nevada 811 799 644 570 524 670 New Hampshire 118 113 107 97 175 122 New Jersey 532 493 440 412 384 452 New York 727 689 638 589 554 639 North Carolina 588 607 579 542 498 | | | | | | | |
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| Oregon 463 444 420 375 351 411 Pennsylvania 463 442 421 421 420 433 Rhode Island 347 334 312 287 298 315 South Carolina 997 990 903 847 805 908 South Dakota 177 197 154 167 167 173 Tennessee 774 790 715 695 707 736 Texas 644 603 565 560 545 583 Utah 332 334 314 276 256 302 Vermont 121 120 106 114 114 115 Virginia 341 345 326 315 282 322 Washington 431 441 429 377 370 409 Wisconsin 253 271 249 246 237 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
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| Utah 332 334 314 276 256 302 Vermont 121 120 106 114 114 115 Virginia 341 345 326 315 282 322 Washington 431 441 429 377 370 409 West Virginia 210 219 249 351 317 269 Wisconsin 253 271 249 246 237 251 Wyoming 250 255 248 232 267 250 United States 634 611 566 525 457 559 | | | | | | | |
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| Washington 431 441 429 377 370 409 West Virginia 210 219 249 351 317 269 Wisconsin 253 271 249 246 237 251 Wyoming 250 255 248 232 267 250 United States 634 611 566 525 457 559 | | | | | | | |
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Source: U.S. Department of Justice. Federal Bureau of Investigation. Crime in the United States-Uniform Crime Reports: 1991-2000. (www.fbi.gov)

Chart 17 Arrests Rates for Violent Crime

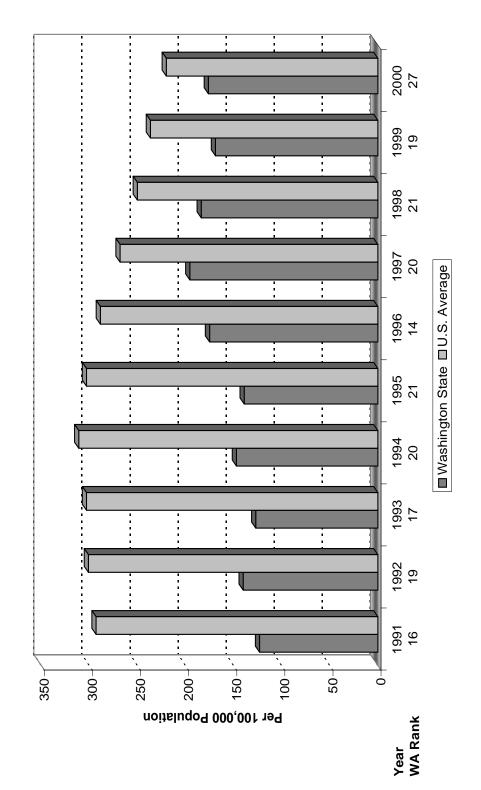


Table 17 Quality of Life
Arrest Rates for Violent Crime
(Per 100,000 Population)

| (1 et 100,000 f openation) | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
|---|------------------------|-----------|-----------|-----------|-----------|---------|
| Alabama | 266 | 249 | 196 | 165 | 184 | 212 |
| Alaska | 283 | 382 | 262 | 259 | 211 | 279 |
| Arizona | 216 | 224 | 201 | 177 | 176 | 199 |
| Arkansas | 222 | 264 | 229 | 225 | 215 | 231 |
| California | 468 | 473 | 434 | 403 | 383 | 432 |
| Colorado | 184 | 181 | 174 | 205 | 159 | 181 |
| Connecticut | 252 | 269 | 247 | 166 | 176 | 222 |
| Delaware | 482 | 515 | 345 | 384 | 583 | 462 |
| Florida | NA | NA | 390 | 368 | 344 | 368 |
| Georgia | 218 | 452 | 343 | 173 | 291 | 295 |
| Hawaii | 126 | 134 | 112 | 107 | 120 | 120 |
| Idaho | 117 | 110 | 129 | 107 | 107 | 114 |
| Illinois | 461 | 407 | 383 | 402 | 360 | 402 |
| Indiana | 252 | 257 | 264 | 268 | 260 | 260 |
| Iowa | 135 | 161 | 153 | 181 | 160 | 158 |
| Kansas | NA | NA | NA | NA | NA | NA |
| Kentucky | 548 | 481 | 451 | 558 | 161 | 440 |
| Louisiana | 374 | 429 | 376 | 353 | 334 | 373 |
| Maine | 73 | 65 | 71 | NA | 71 | 70 |
| Maryland | 316 | 268 | 250 | 156 | 228 | 244 |
| Massachusetts | 283 | 304 | 327 | 284 | 281 | 296 |
| Michigan | 261 | 245 | 220 | 213 | 110 | 210 |
| Minnesota | 152 | 88 | 122 | 139 | 140 | 128 |
| Mississippi | 220 | 229 | 209 | 189 | 179 | 205 |
| Missouri | 319 | 315 | 332 | 263 | 266 | 299 |
| Montana | NA | 59 | 70 | 140 | 201 | 117 |
| Nebraska | 67 | 95 | 106 | 91 | 93 | 90 |
| Nevada | 230 | 220 | 222 | 180 | 163 | 203 |
| New Hampshire | 61 | NA | 74 | 60 | 57 | 63 |
| New Jersey | 262 | 247 | 227 | 203 | 190 | 226 |
| New Mexico | 217 | 243 | 266 | 254 | 243 | 245 |
| New York | 432 | 172 | 188 | 178 | 175 | 229 |
| North Carolina | 375 | 385 | 380 | 357 | 322 | 364 |
| North Dakota | 39 | 34 | 36 | 35 | 26 | 34 |
| Ohio | 271 | 246 | 208 | 178 | 175 | 216 |
| Oklahoma | 198 | 183 | 182 | NA | 173 | 184 |
| Oregon | 157 | 136 | 130 | 109 | 119 | 130 |
| Pennsylvania | 212 | 143 | 226 | 244 | 257 | 216 |
| Rhode Island | 257 | 230 | 151 | 121 | 105 | 173 |
| South Carolina | 326 | 344 | 310 | 334 | 271 | 317 |
| South Dakota | 136 | 148 | 108 | 99 | 96 | 117 |
| Tennessee | 391 | 382 | 311 | 258 | 208 | 310 |
| Texas | 204 | 182 | 166 | 161 | 153 | 173 |
| Utah | 122 | 119 | 117 | 117 | 98 50 | 115 |
| Vermont | NA | NA | 30 | 60 | 58 | 49 |
| Virginia | 185 | 171 | 168 | 159 | 121 | 161 |
| Washington | 175 | 196 | 184 | 169 | 176 | 180 |
| West Virginia | 76 | 78 204 | 94 NA | 174 NA | 148 NA | 114 |
| Wisconsin | 182 | 204 | NA 122 | NA 107 | NA 121 | 193 |
| Wyoming | 146 | 141 | 123 | 107 | 131 | 130 |
| U. S. Average | 289 | 268 | 250 | 236 | 220 | 253 |
| Washington's Rank *Violent crimes are offenses of murder | 14 forgible rape re | 20 | 21 | 19 | 27 | 19 |

^{*}Violent crimes are offenses of murder, forcible rape, robbery, and aggravated assault.

NA: Complete arrest data were not available.

Source: U.S. Department of Justice. Federal Bureau of Investigation. Crime in the United States-Uniform Crime Reports: 1991-2000 (www.fbi.gov)

Air Quality Index

(Not updated due to unavailability of data)

The air quality index measures the percentage of a state's population living in nonattainment areas. The Environmental Protection Agency (EPA) defines a nonattainment area as a locality where air pollution levels have exceeded the allowable amount according to National Ambient Air Quality Standards (NAAQS). Once an area gains "nonattainment" status, its air must meet the NAAQS standards for three years before it can be reclassified as an "attainment" area. Carbon monoxide, lead, nitrogen dioxide, ozone, particulate matter, and sulfur dioxide are the six "criteria pollutants" tested under the NAAQS. Adverse effects on the environment and human health may result from pollutant concentrations exceeding these NAAQS thresholds.

In 1996, 54.5 percent of Washington's population lived in non-attainment areas, ranking Washington 39th among the states. In 1997, improved air quality in the Seattle-Tacoma area resulted in a substantial decline in the percentage of state residents living in non-attainment areas. Washington improved its ranking from 39th to 26th, with a reduction of 61.7% of Washington residents living in nonattainment areas. Washington has improved every year since 1997 and in 2000 realized a record low with only 6.4 percent of state residents living in nonattainment areas, ranking Washington 22nd among the states. This progress can be attributed to improvements made in Kent, Tacoma and Seattle that resulted in a redesignation from nonattainment to attainment for 870,119 people.

Chart 18 Air Quality Index

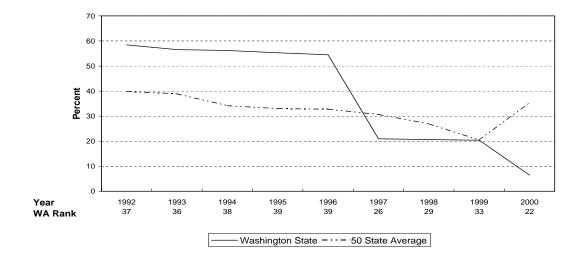


Table 18 Quality of Life

Air Quality Index
(Percent of State Population)

| (| 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
|-----------------------------------|-------------------------|-----------------|--------------------|-------------------|------------------|---------|
| Alabama | 17.5 | 17.4 | 17.3 | 17.2 | 16.9 | 17.2 |
| Alaska | 43.6 | 43.4 | 42.9 | 42.6 | 42.1 | 42.9 |
| Arizona | 50.7 | 49.3 | 48.1 | 47.0 | 43.7 | 47.8 |
| Arkansas | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| California | 82.3 | 79.2 | 83.4 | 82.2 | 80.5 | 81.5 |
| Colorado | 62.5 | 61.2 | 60.0 | 48.7 | 45.6 | 55.6 |
| Connecticut* | 75.6 | 75.6 | 75.5 | 75.3 | 72.5 | 74.9 |
| Delaware* | 15.5 | 15.4 | 0.0 | 0.0 | 14.4 | 9.1 |
| Florida | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Georgia | 38.6 | 37.8 | 37.1 | 34.1 | 32.4 | 36.0 |
| Hawaii | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Idaho | 17.9 | 17.6 | 19.4 | 9.1 | 19.2 | 16.7 |
| Illinois* | 66.0 | 65.7 | 65.3 | 65.0 | 63.5 | 65.1 |
| Indiana* | 11.5 | 3.4 | 0.3 | 0.3 | 0.0 | 3.1 |
| Iowa | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.3 |
| Kansas | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kentucky* | 23.6 | 23.4 | 22.5 | 22.3 | 21.9 | 22.8 |
| Louisiana | 17.3 | 12.8 | 12.8 | 12.8 | 12.5 | 13.6 |
| Maine | 65.8 | 59.2 | 35.3 | 0.0 | 57.2 | 43.5 |
| Maryland* | 47.5 | 47.1 | 46.8 | 46.4 | 45.3 | 46.6 |
| Massachusetts* | 103.7 | 103.2 | 102.8 | 13.1 | 99.5 | 84.5 |
| Michigan | 12.2 | 1.6 | 1.6 | 0.0 | 0.0 | 3.1 |
| Minnesota | 51.2 | 50.8 | 50.4 | 7.2 | 7.0 | 33.3 |
| Mississippi | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Missouri* | 44.6 | 44.3 | 44.0 | 43.8 | 42.8 | 43.9 |
| Montana | 12.8 | 12.9 | 12.1 | 12.6 | 26.2 | 15.3 |
| Nebraska | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| Nevada | 62.5 | 59.6 | 57.2 | 55.1 | 51.0 | 57.1 |
| New Hampshire* | 34.9 | 34.5 | 15.4 | 0.0 | 32.8 | 23.5 |
| New Jersey* | 4.0 | 4.0 | 0.0 | 0.0 | 3.8 | 2.3 |
| New Mexico | 2.2 | 2.2 | 2.1 | 2.2 | 2.0 | 2.1 |
| New York* | 112.3 | 112.3 | 98.8 | 98.6 | 94.6 | 103.3 |
| North Carolina | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| North Dakota | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ohio* | 38.7 | 38.6 | 37.5 | 34.8 | 17.6 | 33.4 |
| Oklahoma | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oregon* | 45.2 | 37.6 | 8.3 | 8.2 | 11.1 | 22.1 |
| Pennsylvania* | 102.5 | 102.7 | 75.1 | 75.2 | 43.2 | 79.7 |
| Rhode Island | 101.5 | 101.6 | 101.5 | 0.0 | 95.7 | 80.1 |
| South Carolina | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| South Dakota | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tennessee | 33.0 | 17.7 | 16.7 | 15.1 | 0.0 | 16.5 |
| Texas | 43.4 | 42.6 | 41.8 | 41.1 | 39.5 | 41.7 |
| Utah | 62.7 | 61.4 | 51.3 | 50.6 | 48.2 | 54.8 |
| Vermont | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Virginia* | 31.6 | 31.2 | 0.0 | 0.0 | 0.0 | 12.6 |
| Washington* | 54.5 | 20.9 | 20.6 | 20.4 | 6.4 | 24.6 |
| West Virginia | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| Wisconsin | 42.3 | 38.2 | 38.0 | 37.3 | 36.5 | 38.5 |
| Wyoming | 2.9 | 2.9 | 2.7 | 2.7 | 2.6 | 2.8 |
| 50 State Average | 32.8 | 30.6 | 26.9 | 20.5 | 35.5 | 29.3 |
| Washington's Rank | 39 | 26 | 29 | 33 | 22 | 30 |
| *Due to grees that span more than | n one state these state | a may have more | or loss non attain | mant arang than g | nagified but are | |

^{*}Due to areas that span more than one state, these states may have more or less non-attainment areas than specified but are not documented to avoid double counting.

Source: U.S. Environmental Protection Agency. National Air Quality and Emissions Trends Report, 1996-1999 data: effective July 25, 1996, June 18, 1997, December 7, 1998, December 13, 1999 from the Office of Air Quality Planning and Standards. The 2000 data was computed early with an effective date of August 9th, 2001.

Drinking Water

The objective of the Washington State Department of Health Drinking Water Program is to protect the health of the citizens of Washington State by ensuring safe and reliable drinking water. In Washington, nearly 5 million residents are served by 4,260 public water systems that must abide by the standards established by the Environmental Protection Agency (EPA) under the federal Safe Drinking Water Act (SDWA). These standards are designed to prevent microbial, chemical and radiological contaminants in drinking water and to assure the protection of public health if contamination does occur. EPA tracks a variety of information related to water systems subject to the SDWA. The number of contaminants regulated by the EPA has risen from 23 in 1986 to 84 in 1996 and is expected to reach 103 by 2002 and 130 by 2010.

The EPA annually reports number of systems whose water has exceeded the Maximum Contaminant Level (MCL) for any contaminant and the number of people served by those systems. A MCL, according to the EPA, is the highest permissible level for a contaminant. In addition, the EPA also calculates the number of systems that have violated a treatment technique, the requirement to have properly operating treatment facilities in order to remove contaminants. The attached table contains EPA data for the years 1997-2001, showing the percentage of a state's population served by a water system subject to the SDWA that violated either a coliform MCL or a surface water treatment technique.

In 2001, 9.4 percent of Washington residents were served by water systems in violation of either a coliform MCL or a water treatment technique, compared to the 50 State average of 7.7 percent. Washington's rank dropped to 39th among the states, down from 24th in 2000. Though Washington ranked 29th in the percentage of its population served by a system with an MCL or treatment violation at some point in the period from 1997 to 2001, this percentage was below the 50-state average for the same period.

Chart 19 Drinking Water

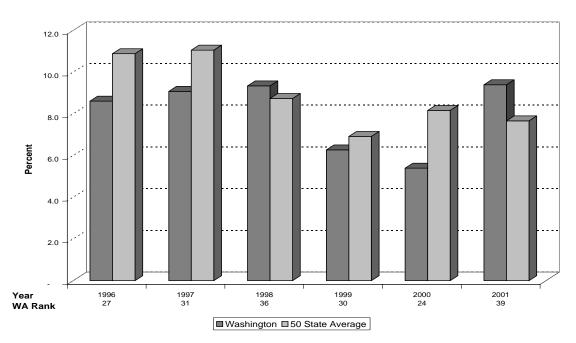


Table 19 Quality of Life **Drinking Water Index** (Percent)* 1997 1998 1999 2001 1997-01 2000 3.0 Alabama 3.3 5.3 2.3 2.0 3.2 9.0 Alaska 41.1 30.6 9.7 14.0 20.9 Arizona 8.7 25.5 13.8 9.0 5.0 12.4 Arkansas 21.2 5.8 7.2 8.0 10.0 10.4 California 5.2 2.8 1.5 6.0 2.0 3.5 9.9 Colorado 9.2 10.2 10.0 10.0 10.0 9.8 15.2 15.7 13.9 2.0 2.0 Connecticut 8.8 1.6 17.3 0.4 17.0 8.0 Delaware 8.6 6.4 4.9 5.0 5.8 Florida 4.0 5.8 Georgia 3.1 3.3 1.0 2.0 3.0 Hawaii 6.5 6.2 6.3 5.0 9.0 6.6 Idaho 16.2 21.0 9.5 17.0 3.0 13.3 Illinois 12.2 9.0 7.9 8.1 9.0 8.0 Indiana 10.9 2.3 0.9 7.0 5.0 5.2 Iowa 5.8 3.4 5.2 5.0 2.0 4.3 5.8 Kansas 10.0 3.8 6.1 5.0 6.0 27.5 7.9 9.8 Kentucky 3.7 3.0 7.0 10.8 9.2 7.5 Louisiana 5.3 6.0 6.0 Maine 5.2 3.9 5.0 35.0 11.0 12.0 Maryland 2.2 2.0 0.0 2.3 1.0 1.5 Massachusetts 56.7 51.9 36.3 58.0 54.0 51.4 Michigan 1.6 0.9 0.9 2.0 2.0 1.5 0.5 0.9 Minnesota 0.4 1.6 1.0 1.0 5.9 5.7 9.0 6.7 Mississippi 3.8 9.0 3.2 3.3 3.8 2.0 4.0 3.2 Missouri 9.7 Montana 16.1 18.6 5.8 4.0 4.0 Nebraska 7.2 12.3 13.6 19.0 53.0 21.0 1.0 0.2 1.9 0.0 0.8 Nevada 1.0 13.3 8.5 7.2 9.8 New Hampshire 8.0 12.0 New Jersey 14.3 1.4 1.0 15.0 13.0 8.9 New Mexico 5.9 1.9 6.5 7.0 7.0 5.7 New York 47.1 43.3 41.8 12.0 12.0 31.2 North Carolina 1.6 1.3 2.4 3.0 4.0 2.5 North Dakota 24.8 0.8 1.4 4.0 4.0 7.0 Ohio 13.7 4.6 3.4 1.0 12.0 7.0 Oklahoma 19.2 14.5 12.6 6.0 7.0 11.9 Oregon 14.1 5.8 7.3 6.0 7.0 8.1 Pennsylvania 5.3 3.6 2.4 4.0 3.0 3.7 3.1 4.9 0.0 Rhode Island 1.2 6.0 3.1 11.7 14.3 South Carolina 12.0 11.8 23.0 13.0 South Dakota 6.9 7.2 2.0 2.0 2.0 4.0 2.9 Tennessee 1.6 3.2 3.0 3.0 2.7

Texas

Utah

Vermont

Virginia

Washington**

West Virginia

50 State Average***

Washington's Rank

Wisconsin

Wyoming

2.8

3.5

8.7

1.5

9.1

3.2

9.0

24.6

11.1

31

Source: U.S. Environmental Protection Agency, Community Public Water Systems Compliance Statistics Safe Drinking Water Information System. FY 1996-2001.

2.5

2.4

10.2

2.3

9.3

2.6

9.2

4.3

8.7

36

2.8

3.7

33

2.6

6.3

6.3

6.6

10.0

6.9

30

2.0

6.0

7.0

2.0

5.4

6.0

15.0

3.0

8.2

24

3.0

1.0

7.0

2.0

9.4

5.0

15.0

2.0

7.7

39

2.6

3.3

7.2

2.1

7.9

4.6

8.8

8.5

29

11.0

^{*}Percent of population served by water supply in violation of EPA standards

^{**} Supplied by the Washington State Department of Health.

^{***}The 50 state average is an average of indicators listed. It may differ from the U.S. average.

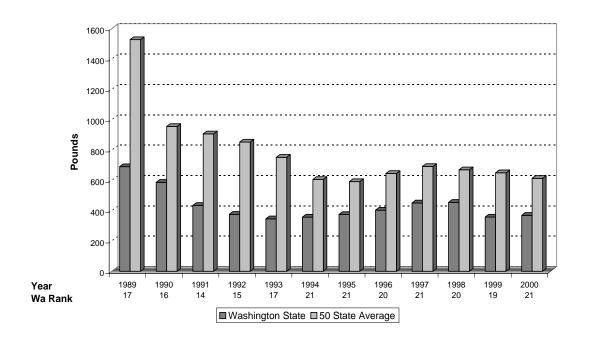
⁽www.epa.gov), Washington State Department of Health. (www.doh.wa.gov)

Toxins Released

The Toxics Release Inventory (TRI) provides the public with information concerning the amounts of toxic chemical releases from industrial facilities. Under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), the inventory was established with the objective of promoting emergency planning, minimizing the effects of chemical accidents, and providing the public with information on the release of toxic chemicals in their communities. The EPCRA/TRI Program requires that manufacturing facilities report nearly 650 toxic chemicals and chemical compounds to the Environmental Protection Agency*.

In 2000, U.S industries reported 2.3 billion pounds of toxic releases, down 73 million pounds from 1999. This figure includes toxic releases directly to air, water, and land, in addition to the disposal of toxic chemicals in on-site or off-site land fills, surface impoundments, land treatment, and underground injection wells. Washington industries reported 26.1 million pounds of toxic releases in 2000, ranking 21st among the states in terms of releases per square mile. While this was an 830,000-pound increase from 1999, it was well below the levels reported as recently as 1998, when 32.1 million pounds of releases were reported. Washington's toxic releases per square mile have been consistently lower than the U.S. average (total U.S. releases divided by total U.S. area) since the TRI reports began in 1989.

Chart 20 Toxins Released



^{*} U.S. Environmental Protection Agency. 1999 Toxics Release Inventory.

Table 20
Quality of Life
Toxins Released
Pounds per square miles

| 1 ounds per square nines | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
|--------------------------|-------|-------|-------|-------|-------|---------|
| Alabama | 1,970 | 1,812 | 1,714 | 1,508 | 1,480 | 1,697 |
| Alaska | 11 | 8 | 3 | 3 | 3 | 6 |
| Arizona | 421 | 276 | 477 | 446 | 345 | 393 |
| Arkansas | 640 | 1,123 | 954 | 975 | 894 | 917 |
| California | 315 | 284 | 268 | 283 | 252 | 280 |
| Colorado | 55 | 49 | 53 | 73 | 67 | 59 |
| Connecticut | 1,476 | 1,744 | 1,372 | 1,156 | 1,152 | 1,380 |
| Delaware | 1,527 | 1,463 | 2,296 | 3,218 | 3,438 | 2,388 |
| Florida | 1,350 | 1,591 | 1,309 | 1,290 | 1,237 | 1,355 |
| Georgia | 998 | 1,219 | 1,100 | 1,128 | 1,046 | 1,098 |
| Hawaii | 84 | 70 | 67 | 62 | 78 | 72 |
| Idaho | 181 | 212 | 272 | 319 | 303 | 257 |
| Illinois | 1,859 | 2,203 | 2,011 | 1,870 | 1,623 | 1,913 |
| Indiana | 2,993 | 3,365 | 3,321 | 3,696 | 3,687 | 3,412 |
| Iowa | 592 | 608 | 713 | 728 | 597 | 647 |
| Kansas | 323 | 325 | 354 | 435 | 349 | 357 |
| Kentucky | 1,172 | 1,171 | 1,015 | 1,194 | 1,007 | 1,112 |
| Louisiana | 3,717 | 3,747 | 3,537 | 2,721 | 2,723 | 3,289 |
| Maine | 277 | 290 | 286 | 229 | 307 | 278 |
| Maryland | 1,065 | 1,114 | 1,078 | 1,110 | 1,279 | 1,129 |
| Massachusetts | 1,080 | 763 | 788 | 609 | 614 | 771 |
| Michigan | 932 | 882 | 865 | 753 | 620 | 811 |
| Minnesota | 241 | 232 | 229 | 234 | 225 | 232 |
| Mississippi | 1,136 | 1,370 | 1,253 | 1,294 | 1,334 | 1,277 |
| Missouri | 858 | 901 | 818 | 816 | 838 | 846 |
| Montana | 330 | 295 | 349 | 339 | 353 | 333 |
| Nebraska | 168 | 232 | 209 | 301 | 273 | 237 |
| Nevada | 34 | 40 | 38 | 40 | 40 | 38 |
| New Hampshire | 266 | 300 | 320 | 336 | 308 | 306 |
| New Jersey | 2,200 | 2,528 | 2,430 | 2,663 | 2,252 | 2,414 |
| New Mexico | 164 | 281 | 204 | 168 | 7 | 165 |
| New York | 660 | 715 | 657 | 677 | 563 | 654 |
| North Carolina | 1,104 | 1,615 | 1,458 | 1,284 | 1,176 | 1,327 |
| North Dakota | 33 | 34 | 35 | 37 | 32 | 34 |
| Ohio | 3,238 | 3,540 | 3,426 | 3,381 | 3,058 | 3,328 |
| Oklahoma | 378 | 355 | 349 | 331 | 339 | 350 |
| Oregon | 306 | 319 | 342 | 319 | 278 | 313 |
| Pennsylvania | 2,675 | 3,130 | 3,185 | 3,174 | 3,045 | 3,042 |
| Rhode Island | 2,114 | 1,770 | 1,423 | 1,067 | 974 | 1,469 |
| South Carolina | 1,817 | 1,874 | 1,914 | 2,140 | 1,893 | 1,928 |
| South Dakota | 67 | 55 | 42 | 46 | 52 | 52 |
| Tennessee | 2,465 | 2,536 | 2,252 | 2,173 | 2,349 | 2,355 |
| Texas | 1,001 | 979 | 983 | 975 | 920 | 971 |
| Utah | 976 | 1,222 | 1,251 | 1,046 | 1,250 | 1,149 |
| Vermont | 48 | 59 | 43 | 67 | 42 | 52 |
| Virginia | 1,325 | 1,369 | 1,343 | 1,366 | 1,365 | 1,354 |
| Washington | 403 | 451 | 455 | 357 | 369 | 407 |
| West Virginia | 1,190 | 1,022 | 1,081 | 904 | 723 | 984 |
| Wisconsin | 718 | 772 | 668 | 640 | 579 | 675 |
| Wyoming | 99 | 96 | 96 | 107 | 114 | 102 |
| U.S. Average | 645 | 691 | 669 | 649 | 613 | 653 |
| Washington's Rank | 20 | 21 | 20 | 19 | 21 | 21 |

Source: U.S. Environmental Protection Agency. Office of Pollution Prevention and Toxics.

Toxics Release Inventory Public Data Release Reports: 1989-2000. (www.epa.gov)

Source: U.S. Department of Commerce, Economics and Statistics Administration, Statistical Abstract of the United States, 1995.

State Health Index

The UnitedHealth Group State Health Rankings provide a composite indicator, by state, that measures the relative healthiness of each state and the general health of the population in the United States. Rankings are based on states' performance in five components: lifestyle, access to health care, occupational safety and disability, disease, and mortality. These components are in turn divided into a total of seventeen subcomponents, each contributing to the overall score according to different component weights. To prevent an extreme value from excessively influencing the overall score, the maximum value any state can receive for a component is limited to the national average plus or minus two standard deviations. These components are then calculated into the state health index, which is simply the percentage a state is above or below the national average.

Washington's state health index ranked 12th in 2001, down from 11th in 2000. Washington's strengths in 2001 include a low infant mortality rate (5.4 deaths per 1,000 births), low risk for heart disease (16 percent below the national average), and low motor vehicle deaths (1.2 deaths per 100,000,000 miles driven). Washington also had a decrease in the prevalence of smoking from 22.4 to 20.7 percent for the year. Washington has performed very well in the State Health Rankings over the last five years, with an average rank of 9th among the states and a score of 11 percent above the national average.

Chart 21 State Health Index

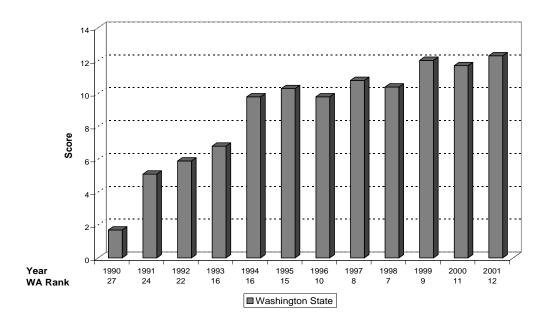


Table 21 Quality of Life State Health Index

| State Health Index | | | | | | |
|--------------------|-----------------|-----------------|------------|------------|-------------|-------------|
| *Score | | | | | | |
| | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-01 |
| Alabama | -7 | -7 | -10 | -12 | -11 | -9 |
| Alaska | -7 | -8 | -2 | -2 | 2 | -3 |
| Arizona | -8 | -10 | -7 | - 6 | -4 | -7 |
| Arkansas | -12 | -17 | -19 | -14 | - 9 | -14 |
| California | 3 | 5 | 4 | 4 | 5 | 4 |
| Colorado | 13 | 15 | 14 | 15 | 14 | 14 |
| Connecticut | 11 | 9 | 13 | 13 | 17 | 12 |
| Delaware | -13 | -11 | -8 | - 5 | - 6 | - 9 |
| Florida | - 9 | - 9 | -11 | -11 | -13 | -11 |
| Georgia | -1 | -2 | -4 | - 5 | -5 | -3 |
| Hawaii | 14 | 10 | 11 | 15 | 14 | 13 |
| Idaho | 2 | 1 | 4 | 4 | 7 | 4 |
| Illinois | 0 | 2 | 2 | -1 | -2 | 0 |
| Indiana | 3 | 3 | 4 | 1 | 5 | 3 |
| Iowa | 9 | 8 | 11 | 11 | 14 | 10 |
| Kansas | 7 | 6 | 5 | 7 | 7 | 6 |
| Kansas Kentucky | -5 | -7 | -7 | -7 | -6 | - 6 |
| Louisiana | -18 | -17 | -18 | -18 | -21 | -18 |
| Maine | 3 | 3 | 11 | 12 | 14 | 8 |
| Maryland | 1 | 0 | 1 | 2 | 2 | 1 |
| Massachusetts | 14 | 12 | 16 | 16 | 15 | 15 |
| Michigan | 4 | 4 | 0 | -1 | 0 | 2 |
| Minnesota | 20 | 22 | 23 | 22 | 23 | 22 |
| Mississippi | -18 | -18 | -18 | -19 | -19 | -18 |
| Missouri | -18 -3 | -18 -4 | -10 -4 | -19 -3 | -1 9 | -16 -3 |
| Montana | - 0 | -4 -3 | -4 -2 | 1 | 2 | - 0 |
| Nebraska | 7 | 6 | 10 | 9 | 9 | 8 |
| Nevada | -15 | -14 | -13 | -12 | - 9 | -13 |
| New Hampshire | 14 | -14 17 | 22 | 23 | 20 | 19 |
| New Jersey | 4 | 4 | 6 | 5 | 7 | 5 |
| New Mexico | -14 | -13 | - 9 | - 9 | -8 | -11 |
| New York | -6 | -13 -7 | -5 -5 | -4 | -3 | -11 -5 |
| North Carolina | -3 | - / -1 | -3 -4 | -4 | -3 -4 | -3 |
| North Dakota | -3 7 | 6 | 10 | 10 | 11 | 9 |
| Ohio | 5 | 2 | 4 | 2 | 3 | 3 |
| Oklahoma | -8 | -11 | -10 | -11 | -8 | -10 |
| Oregon | -8 1 | 1 | -10 6 | -11 7 | -8 8 | 5 |
| Pennsylvania | 6 | 5 | 3 | 2 | 2 | 4 |
| Rhode Island | 2 | 4 | 8 | 7 | 10 | 6 |
| South Carolina | -12 | -12 | -14 | -15 | -15 | -13 |
| South Dakota | 1 | 4 | -14 4 | 6 | -13 6 | - 13 |
| | -11 | -12 | -11 | -10 | -10 | -11 |
| Tennessee Texas | -11 -3 | -12 -3 | -11 -4 | -10 -5 | -10 -5 | -11 -4 |
| | -3 14 | 13 | -4 15 | -3 17 | 19 | |
| Utah | 4 | | 15 15 | 17 | 19 | 16 |
| Vermont | 10 | 3 9 | 10 | 9 | 10 | 11 9 |
| Virginia | 10 11 | | 10 12 | | | |
| Washington | | 10 | | 12 | 12 | 11 |
| West Virginia | -10 | -13 | -13 | -14 | -13 | -12 |
| Wisconsin | 16 -5 | 15 | 16 | 13 | 12 | 14 |
| Wyoming | | -7 | 0 | -2 | -2 | -3 |
| U.S. Average | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington's Rank | 8 | 7 | 9 | 11 | 12 | 9 |

^{*}Scores reflect the percentage above or below the national average.

Source: UnitedHealth Group, UnitedHealth Group State Health Rankings: 1990-2001, (www.unitedhealthfoundation.org)

State Parks and Recreation Areas

Washington lays claim to one of the largest and busiest state park systems in the United States. With 125 developed parks covering over 260,000 acres, Washington ranks 6th among all 50 states in the number of areas managed. Furthermore, Washington ranks 4th in day-use attendance and 8th in the number of overnight visitors served. In 2001, Washington ranked 4th in total visitation with 47,774,327 visitors.

State parks provide areas that enrich the quality of life by providing recreational spaces where people exercise, enjoy the natural environment, and maintain their well being. In addition to the numerous social values generated by state parks, several economic benefits exist. Local economies prosper from the increased demand for gas, food and lodging. State parks also provide employment opportunities. The Washington State Parks and Recreation Commission reports that state parks employ approximately 500 full time employees.

Since state park visits per capita were recorded, Washington has consistently placed in the top 5 among the states. Over the past five years, Washington has ranked 4th in per capita park visits. In 2001, each of Washington's residents visited a state park an average of eight times.

Chart 22 State Parks and Recreation Areas

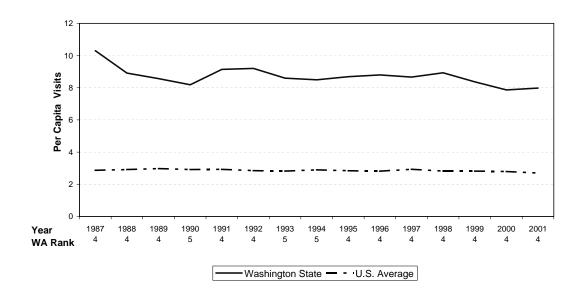


Table 22
Quality of Life
State Parks and Recreational Areas
(Per Capita Park Visits)

| 1 | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-01 |
|-------------------|------|------|------|------|------|---------|
| Alabama | 1.3 | 1.3 | 1.4 | 1.3 | 1.2 | 1.3 |
| Alaska | 6.7 | 5.6 | 6.2 | 6.2 | 5.8 | 6.1 |
| Arizona | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Arkansas | 3.1 | 2.8 | 2.5 | 2.5 | 2.9 | 2.8 |
| California | 3.6 | 2.6 | 2.3 | 2.9 | 2.3 | 2.7 |
| Colorado | 3.0 | 2.9 | 2.3 | 2.4 | 2.4 | 2.6 |
| Connecticut | 2.5 | 2.6 | 2.4 | 2.2 | 2.2 | 2.4 |
| Delaware | 3.7 | 3.5 | 5.3 | 5.0 | 4.0 | 4.3 |
| Florida | 0.9 | 0.9 | 1.0 | 1.0 | 1.1 | 1.0 |
| Georgia | 1.8 | 2.0 | 2.0 | 2.0 | 1.8 | 1.9 |
| Hawaii | 12.7 | 11.8 | 12.7 | 15.0 | 15.2 | 13.5 |
| Idaho | 1.9 | 1.8 | 1.9 | 2.0 | 1.8 | 1.9 |
| Illinois | 3.4 | 3.3 | 3.5 | 3.6 | 3.5 | 3.5 |
| Indiana | 3.0 | 3.0 | 3.1 | 3.0 | 2.9 | 3.0 |
| Iowa | 4.3 | 4.7 | 5.1 | 5.2 | 5.2 | 4.9 |
| Kansas | 2.6 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 |
| Kentucky | 2.2 | 2.2 | 1.9 | 1.9 | 1.9 | 2.0 |
| Louisiana | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| Maine | 1.6 | 1.6 | 2.0 | 1.8 | 1.8 | 1.7 |
| Maryland | 2.1 | 1.9 | 2.1 | 1.9 | 1.8 | 2.0 |
| Massachusetts | 2.2 | 2.1 | 2.2 | 2.0 | 1.9 | 2.1 |
| Michigan | 2.4 | 2.7 | 2.8 | 2.8 | 2.6 | 2.6 |
| Minnesota | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 |
| Mississippi | 1.7 | 1.7 | 1.5 | 1.5 | 1.5 | 1.6 |
| Missouri | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Montana | 1.6 | 1.6 | 1.7 | 1.5 | 1.5 | 1.6 |
| Nebraska | 5.7 | 5.7 | 5.6 | 5.6 | 5.8 | 5.7 |
| Nevada | 1.9 | 1.9 | 1.5 | 1.7 | 1.6 | 1.7 |
| New Hampshire | 0.8 | 3.1 | 3.6 | 4.1 | 5.3 | 3.4 |
| New Jersey | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| New Mexico | 1.9 | 2.9 | 2.7 | 2.5 | 2.2 | 2.4 |
| New York | 3.7 | 3.7 | 3.4 | 3.1 | 2.9 | 3.4 |
| North Carolina | 1.4 | 1.7 | 1.7 | 1.5 | 1.5 | 1.6 |
| North Dakota | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| Ohio | 5.2 | 4.2 | 5.3 | 4.9 | 5.2 | 5.0 |
| Oklahoma | 4.8 | 4.9 | 4.6 | 4.7 | 4.4 | 4.7 |
| Oregon | 12.2 | 12.0 | 11.7 | 11.2 | 11.4 | 11.7 |
| Pennsylvania | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 2.9 |
| Rhode Island | 3.1 | 5.0 | 6.4 | 5.9 | 6.0 | 5.3 |
| South Carolina | 2.5 | 2.6 | 2.5 | 2.3 | 2.2 | 2.4 |
| South Dakota | 8.8 | 9.2 | 9.3 | 9.3 | 10.0 | 9.3 |
| Tennessee | 5.4 | 5.7 | 5.8 | 5.3 | 5.0 | 5.4 |
| Texas | 1.1 | 1.1 | 1.1 | 0.9 | 0.8 | 1.0 |
| Utah | 3.5 | 3.7 | 3.3 | 3.0 | 2.8 | 3.2 |
| Vermont | 1.5 | 1.3 | 1.4 | 1.2 | 1.3 | 1.4 |
| Virginia | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| Washington | 8.7 | 8.9 | 8.4 | 7.9 | 8.0 | 8.4 |
| West Virginia | 4.4 | 4.4 | 4.6 | 4.4 | 4.5 | 4.5 |
| Wisconsin | 2.5 | 2.6 | 2.7 | 2.9 | 3.0 | 2.7 |
| Wyoming | 4.5 | 4.6 | 4.5 | 5.1 | 4.8 | 4.7 |
| U.S. Average | 2.9 | 2.8 | 2.8 | 2.8 | 2.7 | 2.8 |
| Washington's Rank | 4 | 4 | 4 | 4 | 4 | 4 |

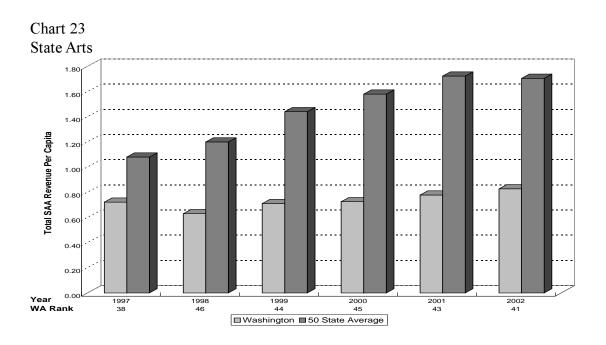
Source: National Association of State Parks Directors. Washington State Parks and Recreation Commission. Annual Information Exchange 1981-2001.

State Arts

State arts agencies play a major role in making the arts accessible to the public. They support special events such as concerts in the park, touring artist groups, and arts festivals. State arts agencies also support public art programs, which is specifically for the integration of artwork (sculpture, murals, paintings, glasswork, etc.) in the renovation or construction of certain state buildings, such as schools or departmental offices. Some theaters, operas, and orchestras are able to offer reduced price seating or special free performances due in part to government support.

It is difficult to quantify the effectiveness of state art programs. However, we can use the total revenue collected by state arts agencies to get a sense of the commitment a state makes to the arts. Total state art agency revenue* includes state legislative appropriations, funds from the National Endowment for the Arts (NEA), private support, and other state funds, including transfer funds and special funding mechanisms. Some of the discipline areas that these dollars support include dance, theatre, visual arts, photography, literature, folk arts, and the humanities. State dollars make up more than 85% of the state arts agency's total revenue in Washington.

Although Washington has one of the oldest and highest funded public art programs in the nation, overall state arts support is below the national average. Between fiscal years 1998 and 2002, Washington's total state art agency revenue per capita averaged \$0.73, compared to the national average of \$1.53 and ranked 44th over this five-year period. In fiscal year 2002, Washington's per capita figure of \$0.83 was considerably lower than the national average of \$1.71, placing it at 41st among all states.



^{*}Though state arts agencies are the primary source for state funding, some states also fund the arts through other agencies, such as arts education funding through the Department of Education.

Table 23
Quality of Life
State Arts
Total Per Capita State Arts Agency Revenue*

| (Fiscal Years) | 1998 | 1999 | 2000 | 2001 | 2002 | 1998-02 |
|-------------------|------|------|------|------|------|---------|
| Alabama | 1.03 | 1.20 | 1.23 | 1.51 | 1.41 | 1.28 |
| Alaska | 1.56 | 1.58 | 1.59 | 1.70 | 1.65 | 1.62 |
| Arizona | 0.81 | 0.92 | 0.94 | 0.97 | 0.93 | 0.91 |
| Arkansas | 0.68 | 0.82 | 0.95 | 0.81 | 0.92 | 0.84 |
| California | 0.43 | 1.41 | 1.57 | 2.03 | 1.28 | 1.35 |
| Colorado | 0.84 | 1.09 | 1.05 | 0.92 | 0.81 | 0.94 |
| Connecticut | 3.35 | 3.61 | 5.85 | 6.30 | 6.54 | 5.13 |
| Delaware | 2.46 | 2.73 | 2.80 | 2.82 | 2.84 | 2.73 |
| Florida | 1.69 | 2.36 | 1.90 | 2.35 | 2.04 | 2.07 |
| Georgia | 0.66 | 0.68 | 0.70 | 0.66 | 0.69 | 0.68 |
| Hawaii | 5.65 | 5.69 | 5.75 | 5.40 | 5.62 | 5.62 |
| Idaho | 1.04 | 1.25 | 1.14 | 1.13 | 1.19 | 1.15 |
| Illinois | 1.18 | 1.45 | 1.87 | 1.66 | 1.68 | 1.57 |
| Indiana | 0.60 | 0.60 | 0.73 | 0.72 | 0.69 | 0.67 |
| Iowa | 0.72 | 0.77 | 0.85 | 0.92 | 0.73 | 0.80 |
| Kansas | 0.75 | 0.75 | 0.82 | 0.78 | 0.80 | 0.78 |
| Kentucky | 1.13 | 1.15 | 1.16 | 1.15 | 1.12 | 1.14 |
| Louisiana | 1.11 | 1.28 | 1.28 | 1.23 | 1.30 | 1.24 |
| Maine | 0.77 | 1.00 | 1.40 | 1.02 | 1.05 | 1.05 |
| Maryland | 1.72 | 1.82 | 2.21 | 2.52 | 2.67 | 2.19 |
| Massachusetts | 2.47 | 2.92 | 3.05 | 3.03 | 3.19 | 2.93 |
| Michigan | 2.26 | 2.27 | 2.26 | 2.66 | 2.76 | 2.44 |
| Minnesota | 2.88 | 2.88 | 2.86 | 2.79 | 2.85 | 2.85 |
| Mississippi | 0.85 | 1.05 | 1.07 | 1.46 | 1.43 | 1.17 |
| Missouri | 1.94 | 1.98 | 2.22 | 2.23 | 1.67 | 2.01 |
| Montana | 1.81 | 1.94 | 1.83 | 1.94 | 2.04 | 1.91 |
| Nebraska | 1.13 | 1.63 | 1.63 | 1.37 | 1.30 | 1.41 |
| Nevada | 0.97 | 1.02 | 1.14 | 0.98 | 0.95 | 1.01 |
| New Hampshire | 0.88 | 1.03 | 1.07 | 0.86 | 0.97 | 0.96 |
| New Jersey | 1.78 | 2.03 | 2.46 | 2.72 | 2.77 | 2.35 |
| New Mexico | 1.86 | 1.88 | 1.71 | 1.30 | 1.34 | 1.62 |
| New York | 2.30 | 2.55 | 2.80 | 3.03 | 2.75 | 2.68 |
| North Carolina | 0.82 | 0.88 | 1.10 | 1.05 | 0.86 | 0.94 |
| North Dakota | 1.31 | 1.41 | 1.43 | 1.47 | 1.64 | 1.45 |
| Ohio | 1.36 | 1.41 | 1.55 | 1.49 | 1.39 | 1.44 |
| Oklahoma | 1.27 | 1.46 | 1.48 | 1.49 | 1.55 | 1.45 |
| Oregon | 0.71 | 0.62 | 0.60 | 0.69 | 0.56 | 0.63 |
| Pennsylvania | 0.82 | 0.94 | 1.05 | 1.20 | 1.19 | 1.04 |
| Rhode Island | 1.39 | 1.41 | 1.54 | 2.75 | 2.92 | 2.00 |
| South Carolina | 1.26 | 1.36 | 1.63 | 1.59 | 1.30 | 1.43 |
| South Dakota | 1.29 | 1.31 | 1.38 | 1.40 | 1.55 | 1.39 |
| Tennessee | 0.73 | 0.77 | 0.88 | 0.96 | 0.84 | 0.84 |
| Texas | 0.29 | 0.30 | 0.37 | 0.26 | 0.30 | 0.30 |
| Utah | 1.84 | 2.02 | 1.99 | 1.86 | 1.65 | 1.87 |
| Vermont | 1.89 | 2.58 | 2.60 | 2.72 | 2.56 | 2.47 |
| Virginia | 0.54 | 0.64 | 0.71 | 0.74 | 0.76 | 0.68 |
| Washington | 0.63 | 0.71 | 0.73 | 0.78 | 0.83 | 0.73 |
| West Virginia | 1.18 | 1.42 | 2.00 | 2.18 | 2.61 | 1.88 |
| Wisconsin | 0.64 | 0.67 | 0.68 | 0.57 | 0.58 | 0.63 |
| Wyoming | 1.89 | 1.85 | 2.05 | 2.00 | 2.18 | 1.99 |
| U.S. Average | 1.20 | 1.44 | 1.58 | 1.72 | 1.71 | 1.53 |
| Washington's Rank | 46 | 44 | 45 | 43 | 41 | 44 |

^{*}Though state arts agencies are the primary source for state funding, some states also fund the arts through other agencies, such as arts education funding through the Department of Education.

Source: National Assembly of State Arts Agencies, July 2002.

Public Library Service

Public libraries contribute to the quality of life by providing a multitude of educational and recreational functions and services. Public libraries serve people of all ages and backgrounds by providing spaces for community meetings and study halls, storing a wealth of information and entertainment in books, and providing computer and Internet access.

The benchmark, total circulation per capita, is used to gauge the quality, magnitude, and availability of public library resources and services. Circulation is the checking out of items (i.e., books, CDs, videos) to the public and is a reliable indicator because most transactions are electronically recorded. This data is collected from every state and the National Center for Educational Statistics (NCES) presents the cumulative form.

Washington has had excellent performance in this arena, with an average state ranking of 4th from the years 1996 to 2000. During that period, the state had an average per capita circulation of 9.8 compared to the national average of 6.5. Washington's 2000 state ranking was 7th, with per capita circulation of 9.4 compared to the national average of 6.4.

Chart 24 Public Library Service

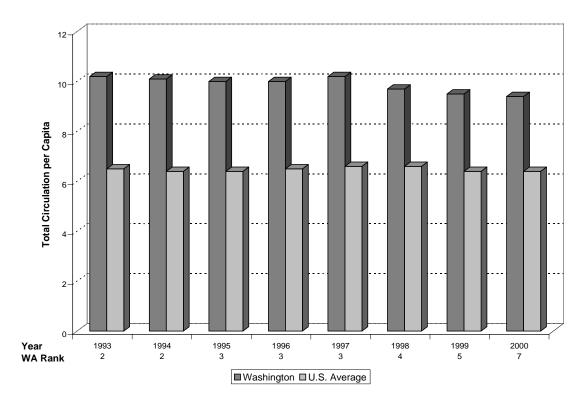


Table 24
Quality of Life
Public Library Service
(Circulation per Capita)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-2000 |
|-------------------|------|------|------|------|------|-----------|
| Alabama | 3.9 | 4.0 | 4.0 | 3.6 | 3.5 | 3.8 |
| Alaska | 6.2 | 6.1 | 6.1 | 6.2 | 5.8 | 6.1 |
| Arizona | 6.5 | 6.3 | 6.2 | 6.2 | 6.4 | 6.3 |
| Arkansas | 4.2 | 4.3 | 4.0 | 4.0 | 4.2 | 4.1 |
| California | 4.7 | 4.9 | 5.0 | 4.9 | 4.8 | 4.9 |
| Colorado | 8.4 | 8.8 | 9.2 | 9.5 | 9.5 | 9.1 |
| Connecticut | 8.3 | 8.6 | 8.5 | 8.4 | 8.5 | 8.5 |
| Delaware | 4.7 | 5.3 | 5.5 | 5.8 | 6.3 | 5.5 |
| Florida | 5.4 | 5.1 | 4.9 | 4.9 | 4.7 | 5.0 |
| Georgia | 4.6 | 4.6 | 4.5 | 4.6 | 4.4 | 4.5 |
| Hawaii | 6.2 | 6.4 | 6.5 | 6.2 | 5.8 | 6.2 |
| Idaho | 7.7 | 7.9 | 7.8 | 7.8 | 7.4 | 7.7 |
| Illinois | 7.7 | 7.9 | 7.9 | 7.8 | 7.7 | 7.8 |
| Indiana | 10.5 | 11.0 | 10.9 | 10.6 | 11.1 | 10.8 |
| Iowa | 8.8 | 9.0 | 9.0 | 8.5 | 8.6 | 8.8 |
| Kansas | 9.6 | 9.8 | 9.7 | 9.5 | 9.6 | 9.6 |
| Kentucky | 5.3 | 5.4 | 5.5 | 5.1 | 5.1 | 5.3 |
| Louisiana | 4.3 | 4.4 | 4.3 | 4.1 | 4.0 | 4.2 |
| Maine | 7.7 | 7.8 | 7.9 | 7.2 | 7.0 | 7.5 |
| Maryland | 9.0 | 9.2 | 8.9 | 8.9 | 8.9 | 9.0 |
| Massachusetts | 7.3 | 7.4 | 7.7 | 7.5 | 7.4 | 7.5 |
| Michigan | 5.4 | 5.5 | 5.5 | 5.4 | 5.5 | 5.5 |
| Minnesota | 9.6 | 9.5 | 9.1 | 8.7 | 8.9 | 9.2 |
| Mississippi | 3.2 | 3.3 | 3.3 | 3.1 | 3.1 | 3.2 |
| Missouri | 7.9 | 8.4 | 8.6 | 8.4 | 8.1 | 8.3 |
| Montana | 6.1 | 5.9 | 5.8 | 5.5 | 5.5 | 5.8 |
| Nebraska | 7.6 | 8.0 | 8.1 | 7.8 | 8.0 | 7.9 |
| Nevada | 5.0 | 5.1 | 5.0 | 4.5 | 4.8 | 4.9 |
| New Hampshire | 7.4 | 7.6 | 7.5 | 7.3 | 7.2 | 7.4 |
| New Jersey | 6.0 | 6.1 | 5.9 | 5.7 | 5.5 | 5.8 |
| New Mexico | 5.5 | 5.4 | 5.6 | 5.3 | 5.2 | 5.4 |
| New York | 7.3 | 7.4 | 7.4 | 7.3 | 7.3 | 7.3 |
| North Carolina | 5.6 | 5.8 | 5.7 | 5.6 | 5.6 | 5.7 |
| North Dakota | 7.2 | 7.2 | 7.3 | 7.3 | 7.2 | 7.2 |
| Ohio | 12.4 | 12.6 | 12.5 | 12.4 | 12.8 | 12.5 |
| Oklahoma | 6.3 | 6.0 | 5.9 | 5.9 | 5.9 | 6.0 |
| Oregon | 10.0 | 10.2 | 10.2 | 10.3 | 11.1 | 10.4 |
| Pennsylvania | 4.7 | 4.7 | 4.8 | 4.7 | 4.7 | 4.7 |
| Rhode Island | 6.8 | 6.6 | 6.6 | 6.5 | 6.2 | 6.5 |
| South Carolina | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| South Dakota | 8.9 | 9.3 | 8.9 | 8.6 | 7.4 | 8.6 |
| Tennessee | 3.9 | 4.0 | 4.0 | 4.0 | 3.8 | 3.9 |
| Texas | 4.2 | 4.4 | 4.3 | 4.2 | 4.3 | 4.3 |
| Utah | 9.3 | 9.0 | 9.7 | 9.8 | 10.0 | 9.6 |
| Vermont | 7.0 | 7.4 | 6.9 | 7.2 | 7.2 | 7.1 |
| Virginia | 7.4 | 7.6 | 7.6 | 7.5 | 7.8 | 7.6 |
| Washington | 10.0 | 10.2 | 9.7 | 9.5 | 9.4 | 9.8 |
| West Virginia | 4.6 | 5.3 | 5.1 | 4.7 | 4.6 | 4.9 |
| Wisconsin | 9.0 | 9.2 | 9.0 | 8.8 | 8.7 | 8.9 |
| Wyoming | 7.6 | 7.7 | 7.8 | 7.8 | 7.7 | 7.7 |
| U.S. Average | 6.5 | 6.6 | 6.6 | 6.4 | 6.4 | 6.5 |
| Washington's Rank | 3 | 3 | 4 | 5 | 7 | 4 |

Source: U.S. Department of Education. National Center for Education Statistics,

Public Libraries in the United States: FY 1996-2000.

Housing Opportunity Index

The <u>Housing Opportunity Index (HOI)</u>, created by the National Association of Home Builders, is a measure of the percentage of new and existing homes sold in an area that a family earning the median income in that area can afford to buy. The index for the first quarter of 2002 was based on an analysis of more than 580,000 completed home sales in 191 metropolitan area markets nationwide. The average HOI for this period was 64.8, up from 56.9 in the first quarter of 2001, indicating that 64.8 percent of the homes sold in these metropolitan areas would be affordable to someone earning the median income for all of the areas.

Seven Washington metropolitan areas are included in the index: Bellingham, Bremerton, Olympia, Spokane, Tacoma, the Tri-Cities, and the Seattle-Bellevue-Everett area. Of these areas, two, Olympia and Spokane, had HOIs above the national average with index values of 64.9 and 66.1, respectively. Spokane had the highest HOI among the included Washington areas while the Tri-Cities had the lowest with a HOI of 54.6. Spokane's HOI ranked 126th among the 191 metropolitan areas included in the index, while the Tri-Cities' ranked 155th.

Table 25
Cost of Living
Housing Opportunity Index
(First Quarter 2002)

| (First Quarter 2002) | | | Median | |
|--|---|----------------------------|--------------------------|-----------------------|
| Metropolitan Area | Share of Homes Affordable for Median Income | Family Income (000s) | Sales Price (000s) | Affordability Rank |
| Akron, OH PMSA+ | 79.9 | 55.6 | 109 | 53 |
| Albany-Schenectady-Troy, NY MSA+ | 68.5 | 55.5 | 132 | 112 |
| Amarillo, TX MSA* | 68.7 | 44.8 | 98 | 111 |
| Anchorage, AK MSA+ | 75.6 | 60.5 | 153 | 84 |
| Ann Arbor, MI PMSA+ | 60.2 | 76.0 | 190 | 143 |
| Asheville, NC* | 67.2 | 49.0 | 127 | 121 |
| Atlanta, GA MSA# | 81.8 | 71.2 | 146 | 34 |
| Atlantic-Cape May, NJ PMSA+ | 62.4 | 51.8 | 138 | 137 |
| Austin-San Marcos, TX MSA# | 67.9 | 71.1 | 178 | 118 |
| Bakersfield, CA MSA+ | 69.4 | 40.3 | 110 | 107 |
| Baltimore, MD PMSA# | 77.4 | 66.4 | 143 | 70 |
| Barnstable-Yarmouth, MA MSA* | 36.7 | 56.5 | 227 | 174 |
| Baton Rouge, LA MSA+ | 81.6 | 49.2 | 111 | 35 |
| Beaumont-Port Arthur, TX MSA+ | 80.6 | 46.8 | 83 | 44 |
| Bellingham, WA* | 59.6 | 50.2 | 160 | 146 |
| Benton Harbor, MI MSA* | 70.2 | 55.1 | 111 | 103 |
| Bergen-Passaic, NJ PMSA# | 61.5 | 78.9 | 227 | 140 |
| Biloxi-Gulfport-Pascagoula, MS MSA+ | 71.6 | 44.4 | 109 | 97 |
| Birmingham, AL MSA+ | 73.4 | 52.7 | 134 | 94 |
| Boise City, ID+ | 77.7 | 54.5 | 131 | 66 |
| Boston, MA-NH PMSA# | 48.2 | 74.2 | 257 | 161 |
| Boulder-Longmont, CO PMSA+ | 62.4 | 87.9 | 255 | 137 |
| Brazoria, TX PMSA* | 65.2 | 57.1 | 147 | 128 |
| Bremerton, WA PMSA* | 62.5 | 51.5 | 154 | 136 |
| Buffalo-Niagara Falls, NY MSA# | 80.1 | 50.8 | 86 | 50 |
| Burlington, VT MSA* | 64.6 | 57.4 | 157 | 130 |
| Canton-Massillon, OH MSA+ | 83.0 | 51.9 | 103 | 28 |
| Champaign-Urbana, IL MSA* | 87.0 | 59.6 | 89 | 12 |
| Charleston, WV+ | 83.2 | 45.9 | 92 | 26 |
| Charleston-North Charleston, SC MSA+ | 68.5 | 49.2 | 138 | 112 |
| Charlotte-Gastonia-Rock Hill, NC-SC MSA# | 73.7 | 64.1 | 153 | 92 |
| Chicago, IL PMSA# | 73.7 | 75.4 | 176 | 92 |
| Chico-Paradise, CA MSA* | 40.9 | 39.2 | 153 | 167 |
| Cincinnati, OH-KY-IN PMSA# | 83.6 | 64.3 | 125 | 24 |
| Cleveland-Lorain-Elyria, OH PMSA# | 79.9 | 60.0 | 123 | 53 |

^{*}Denotes population below 250,000; + Denotes population of 250,000 to 1 million;

[#] Denotes population over 1 million.

[&]quot;MSA" Metropolitan Statistical Area

[&]quot;PMSA" Primary Metropolitan Statistical Area

Source: National Association of Home Builders (www.nahb.com), July 2002

| Table 25 (cont.) | Share of Homes | Family | Median Sales | |
|---|---------------------------------|------------------|-----------------|-----------------------|
| Metropolitan Area | Affordable for Median Income | Income (000s) | Price (000s) | Affordability Rank |
| Colorado Springs, CO MSA+ | 60.1 | 56.8 | 174 | 144 |
| Columbia, SC MSA+ | 81.5 | 56.4 | 120 | 37 |
| Columbus, OH MSA# | 78.2 | 63.4 | 140 | 63 |
| Dallas, TX PMSA# | 70.5 | 66.5 | 155 | 100 |
| Danbury, CT PMSA* | 60.6 | 98.1 | 270 | 142 |
| Davenport-Moline-Rock Island, IA-IL MSA+ | 89.8 | 53.6 | 82 | 7 |
| Dayton-Springfield, OH MSA+ | 90.0 | 60.2 | 101 | 6 |
| Denver, CO PMSA# | 59.6 | 69.9 | 208 | 146 |
| Des Moines, IA+ | 84.5 | 66.9 | 120 | 21 |
| Detroit, MI PMSA# | 67.1 | 69.9 | 156 | 122 |
| Duluth-Superior, MN-WI MSA* | 81.1 | 50.8 | 109 | 41 |
| El Paso, TX MSA+ | 68.8 | 36.3 | 86 | 109 |
| Elkhart-Goshen, IN MSA* | 94.9 | 59.3 | 111 | 1 |
| Eugene-Springfield, OR+ | 38.9 | 43.8 | 135 | 169 |
| Fargo-Moorhead, ND-MN* | 94.5 | 55.9 | 88 | 3 |
| Fayetteville, NC+ | 80.0 | 43.7 | 95 | 52 |
| Flint, MI PMSA+ | 66.5 | 55.6 | 124 | 125 |
| Fort Collins-Loveland, CO MSA* | 57.2 | 60.8 | 187 | 153 |
| Fort Lauderdale, FL PMSA# | 70.3 | 60.2 | 140 | 102 |
| Fort Myers-Cape Coral, FL MSA+ | 74.2 | 52.1 | 125 | 91 |
| Fort Pierce-Port St. Lucie, FL MSA+ | 78.4 | 52.4 | 115 | 61 |
| Fort Walton Beach, FL MSA* | 83.8 | 50.4 | 116 | 23 |
| Fort Worth-Arlington, TX PMSA# | 79.7 | 61.3 | 127 | 56 |
| Fresno, CA MSA+ | 52.1 | 40.3 | 134 | 156 |
| Gainesville, FL MSA* | 76.1 | 48.1 | 113 | 80 |
| Galveston-Texas City, TX PMSA* | 58.9 | 52.5 | 138 | 149 |
| Goldsboro, NC MSA* | 76.4 | 45.3 | 108 | 77 |
| Grand Rapids-Muskegon-Holland, MI MSA# | 80.6 | 61.3 | 123 | 44 |
| Greeley, CO PMSA* | 41.3 | 47.9 | 165 | 166 |
| Greensboro-Winston-Salem-High Point, NC MSA | # 83.2 | 56.1 | 125 | 26 |
| Greenville, NC MSA* | 71.6 | 49.1 | 110 | 97 |
| Greenville-Spartanburg-Anderson, SC MSA+ | 81.5 | 53.2 | 116 | 37 |
| Hagerstown, MD PMSA* | 76.6 | 53.5 | 129 | 76 |
| Hamilton-Middletown, OH PMSA+ | 83.9 | 62.6 | 133 | 22 |
| Harrisburg-Lebanon-Carlisle, PA MSA+ | 80.4 | 55.4 | 116 | 47 |
| Hartford, CT MSA# | 75.8 | 66.6 | 146 | 83 |
| Hattiesburg, MS MSA* | 68.5 | 39.1 | 100 | 112 |
| Honolulu, HI MSA+ | 59.7 | 62.6 | 195 | 145 |
| Houma, LA MSA* | 67.1 | 38.3 | 111 | 122 |
| Houston, TX PMSA# | 67.8 | 59.6 | 138 | 119 |

^{*}Denotes population below 250,000; + Denotes population of 250,000 to 1 million;

[#] Denotes population over 1 million.

[&]quot;MSA" Metropolitan Statistical Area

[&]quot;PMSA" Primary Metropolitan Statistical Area

Source: National Association of Home Builders (www.nahb.com), July 2002

| Table 25 (cont.) | | | Median | |
|---|---|----------------------------|--------------------------|-----------------------|
| Metropolitan Area | Share of Homes Affordable for Median Income | Family Income (000s) | Sales Price (000s) | Affordability Rank |
| Indianapolis, IN MSA# | 88.6 | 64.1 | 125 | 11 |
| Jackson, MS MSA+ | 81.3 | 53.1 | 110 | 40 |
| Jacksonville, FL MSA# | 77.8 | 55.6 | 128 | 64 |
| Jersey City, NJ PMSA+ | 45.4 | 60.1 | 200 | 164 |
| Kalamazoo-Battle Creek, MI MSA+ | 67.0 | 53.8 | 116 | 124 |
| Kansas City, MO-KS MSA# | 86.4 | 64.5 | 125 | 13 |
| Knoxville, TN+ | 77.7 | 52.0 | 113 | 66 |
| Kokomo, IN* | 94.8 | 61.9 | 99 | 2 |
| Lafayette, IN* | 86.1 | 58.8 | 123 | 14 |
| Lafayette, LA+ | 62.7 | 37.4 | 110 | 134 |
| Lakeland-Winter Haven, FL MSA+ | 85.5 | 47.0 | 95 | 17 |
| Lansing-East Lansing, MI MSA+ | 80.9 | 60.1 | 112 | 42 |
| Las Vegas, NV-AZ MSA# | 70.2 | 54.3 | 153 | 103 |
| Lawrence, MA-NH PMSA+ | 38.1 | 67.4 | 260 | 171 |
| Lexington, KY MSA+ | 80.6 | 56.3 | 123 | 44 |
| Little Rock-North Little Rock, AR+ | 77.0 | 49.7 | 113 | 72 |
| Los Angeles-Long Beach, CA PMSA# | 34.4 | 55.1 | 240 | 176 |
| Louisville, KY-IN MSA+ | 77.8 | 56.3 | 124 | 64 |
| Lowell, MA-NH PMSA+ | 35.6 | 75.2 | 300 | 175 |
| Mansfield, OH MSA* | 83.5 | 49.2 | 90 | 25 |
| Medford-Ashland, OR MSA* | 29.1 | 41.9 | 149 | 179 |
| Melbourne-Titusville-Palm Bay, FL MSA+ | 84.9 | 52.9 | 106 | 19 |
| Memphis, TN-AR-MS MSA# | 76.1 | 57.3 | 126 | 80 |
| Merced, CA MSA* | 33.0 | 39.4 | 163 | 178 |
| Miami, FL PMSA# | 58.1 | 48.2 | 138 | 151 |
| Milwaukee-Waukesha, WI PMSA# | 76.0 | 67.2 | 130 | 82 |
| Minneapolis-St. Paul, MN-WI MSA# | 76.7 | 76.7 | 180 | 74 |
| Mobile, AL+ | 78.7 | 45.1 | 97 | 58 |
| Modesto, CA+ | 33.6 | 46.5 | 182 | 177 |
| Muncie, IN* | 89.1 | 48.9 | 99 | 9 |
| Naples, FL MSA* | 68.8 | 69.8 | 178 | 109 |
| Nashua, NH PMSA* | 58.7 | 71.1 | 197 | 150 |
| Nashville, TN MSA# | 78.6 | 61.6 | 139 | 59 |
| Nassau-Suffolk, NY PMSA# | 74.8 | 83.0 | 190 | 90 |
| New Bedford, MA PMSA* | 39.9 | 47.5 | 180 | 168 |
| New Haven-Meriden, CT PMSA+ | 75.5 | 65.3 | 143 | 86 |
| New London-Norwich, CT-RI MSA+ | 70.0 | 58.6 | 150 | 105 |
| New Orleans, LA MSA# | 69.5 | 44.0 | 121 | 106 |
| New York, NY PMSA# | 49.9 | 62.8 | 217 | 159 |
| Newark, NJ PMSA# | 62.1 | 78.7 | 204 | 139 |
| *Denotes population below 250,000; $+$ Denotes population | of 250,000 to 1 million; | | | |

[#] Denotes population over 1 million.

[&]quot;MSA" Metropolitan Statistical Area

[&]quot;PMSA" Primary Metropolitan Statistical Area

Source: National Association of Home Builders (www.nahb.com), July 2002

| Table 25 (cont.) | Share of Homes Affordable for | Family Income | Median Sales Price | Affordability |
|--|----------------------------------|------------------|--------------------------|---------------|
| Metropolitan Area | Median Income | (000s) | (000s) | Rank |
| Norfolk-Virginia Beach-Newport News, VA-NC N | AS 75.5 | 53.8 | 125 | 86 |
| Oakland, CA PMSA# | 23.9 | 74.5 | 350 | 182 |
| Ocala, FL MSA* | 82.8 | 41.6 | 86 | 29 |
| Oklahoma City, OK MSA# | 80.1 | 46.0 | 92 | 50 |
| Olympia, WA PMSA* | 64.9 | 53.0 | 150 | 129 |
| Omaha, NE-IA MSA+ | 82.2 | 64.4 | 119 | 33 |
| Orange County, CA PMSA# | 37.7 | 75.6 | 315 | 172 |
| Orlando, FL MSA# | 75.5 | 54.7 | 134 | 86 |
| Panama City, FL MSA* | 80.2 | 46.3 | 109 | 49 |
| Pensacola, FL MSA+ | 82.8 | 45.3 | 105 | 29 |
| Peoria-Pekin, IL MSA+ | 90.8 | 57.8 | 85 | 5 |
| Philadelphia, PA-NJ PMSA# | 76.7 | 63.3 | 132 | 74 |
| Phoenix-Mesa, AZ MSA# | 75.4 | 57.9 | 146 | 89 |
| Pittsburgh, PA MSA# | 69.4 | 48.9 | 101 | 107 |
| Pittsfield, MA MSA* | 65.7 | 50.4 | 129 | 127 |
| Portland-Vancouver, OR-WA PMSA# | 46.6 | 57.2 | 167 | 163 |
| Portsmouth-Rochester, NH-ME PMSA* | 21.5 | 57.3 | 240 | 184 |
| Providence-Fall River-Warwick, RI-MA, MSA# | 76.8 | 54.1 | 128 | 73 |
| Provo-Orem, UT MSA+ | 60.7 | 50.4 | 157 | 141 |
| Pueblo, CO MSA* | 64.1 | 39.4 | 108 | 131 |
| Punta Gorda, FL MSA* | 80.3 | 44.9 | 92 | 48 |
| Raleigh-Durham-Chapel Hill, NC MSA# | 75.6 | 71.3 | 162 | 84 |
| Reading, PA MSA+ | 79.9 | 53.3 | 109 | 53 |
| Redding, CA MSA* | 50.2 | 39.0 | 134 | 158 |
| Reno, NV MSA+ | 70.8 | 62.3 | 170 | 99 |
| Richland-Kennewick-Pasco, WA, MSA* | 54.6 | 49.5 | 150 | 155 |
| Richmond-Petersburg, VA MSA+ | 79.3 | 65.9 | 149 | 57 |
| Riverside-San Bernardino, CA PMSA# | 49.6 | 50.3 | 177 | 160 |
| Rochester, NY MSA# | 78.6 | 54.9 | 97 | 59 |
| Rockford, IL MSA+ | 84.9 | 59.8 | 111 | 19 |
| Rocky Mount, NC MSA* | 76.4 | 48.8 | 106 | 77 |
| Sacramento, CA PMSA# | 43.7 | 57.3 | 218 | 165 |
| Saginaw-Bay City-Midland, MI MSA+ | 82.6 | 55.1 | 85 | 32 |
| Salem, OR PMSA+ | 50.4 | 46.7 | 131 | 157 |
| Salinas, CA MSA+ | 7.7 | 53.8 | 319 | 191 |
| Salt Lake City-Ogden, UT MSA# | 68.3 | 57.2 | 154 | 117 |
| San Antonio, TX MSA# | 68.5 | 46.2 | 112 | 112 |
| San Diego, CA MSA# | 21.6 | 60.1 | 290 | 183 |
| San Francisco, CA PMSA# | 9.2 | 86.1 | 525 | 189 |
| San Jose, CA PMSA# | 20.1 | 96.0 | 451 | 185 |

^{*}Denotes population below 250,000; + Denotes population of 250,000 to 1 million;

[#] Denotes population over 1 million.

[&]quot;MSA" Metropolitan Statistical Area

[&]quot;PMSA" Primary Metropolitan Statistical Area

Source: National Association of Home Builders (www.nahb.com), July 2002

| Table 25 (cont.) | | | | |
|---|---|----------------------------|------------------------------------|-----------------------|
| Metropolitan Area | Share of Homes Affordable for Median Income | Family Income (000s) | Median Sales Price (000s) | Affordability Rank |
| San Luis Obispo-Atascadero-Paso Robles, CA MS | 13.0 | 50.3 | 290 | 188 |
| Santa Barbara-Santa Maria-Lompoc, CA MSA+ | 25.2 | 56.8 | 272 | 181 |
| Santa Cruz-Watsonville, CA PMSA* | 8.0 | 69.0 | 420 | 190 |
| Santa Fe, NM, MSA* | 59.6 | 63.1 | 202 | 146 |
| Santa Rosa, CA PMSA+ | 15.3 | 63.4 | 329 | 187 |
| Sarasota-Bradenton, FL MSA+ | 72.6 | 53.4 | 134 | 95 |
| Seattle-Bellevue-Everett, WA PMSA# | 63.1 | 77.9 | 234 | 133 |
| South Bend, IN MSA+ | 80.8 | 55.7 | 105 | 43 |
| Spokane, WA, MSA+ | 66.1 | 46.6 | 125 | 126 |
| Springfield, IL MSA* | 92.6 | 64.9 | 90 | 4 |
| Springfield, MA MSA+ | 76.4 | 50.7 | 122 | 77 |
| Springfield, MO, MSA+ | 88.7 | 49.2 | 88 | 10 |
| St. Louis, MO-IL MSA# | 77.6 | 61.4 | 126 | 68 |
| Stockton-Lodi, CA MSA+ | 27.2 | 47.5 | 220 | 180 |
| Syracuse, NY MSA+ | 82.8 | 50.3 | 78 | 29 |
| Tacoma, WA PMSA+ | 54.7 | 52.0 | 165 | 154 |
| Tallahassee, FL MSA+ | 85.1 | 57.2 | 122 | 18 |
| Tampa-St. Petersburg-Clearwater, FL MSA# | 77.4 | 50.5 | 117 | 70 |
| Toledo, OH MSA+ | 81.6 | 56.7 | 108 | 35 |
| Trenton, NJ PMSA+ | 68.4 | 74.1 | 161 | 116 |
| Tucson, AZ MSA+ | 70.4 | 49.2 | 129 | 101 |
| Tulsa, OK MSA+ | 77.5 | 46.9 | 104 | 69 |
| Vallejo-Fairfield-Napa, CA PMSA+ | 17.9 | 57.2 | 271 | 186 |
| Ventura, CA PMSA+ | 36.9 | 74.7 | 303 | 173 |
| Vineland-Millville-Bridgeton, NJ PMSA* | 85.6 | 50.2 | 92 | 16 |
| Visalia-Tulare-Porterville, CAMSA+ | 63.6 | 37.4 | 110 | 132 |
| Washington, DC-MD-VA-WV PMSA# | 78.3 | 91.5 | 200 | 62 |
| Waterbury, CT PMSA* | 62.7 | 62.2 | 168 | 134 |
| West Palm Beach-Boca Raton, FL MSA+ | 72.6 | 62.8 | 147 | 95 |
| Williamsport, PA MSA* | 81.4 | 41.9 | 83 | 39 |
| Wilmington-Newark, DE-MD PMSA+ | 89.4 | 75.9 | 149 | 8 |
| Worcester, MA-CT PMSA+ | 57.4 | 58.4 | 180 | 152 |
| Yolo, CA PMSA* | 38.9 | 57.0 | 221 | 169 |
| Youngstown-Warren, OH MSA+ | 85.8 | 46.4 | 82 | 15 |
| Yuba City, CA MSA* | 47.2 | 39.3 | 140 | 162 |
| Yuma, AZ MSA* | 67.5 | 36.8 | 97 | 120 |
| National | 64.8 | 54.4 | 160 | |

^{*}Denotes population below 250,000; + Denotes population of 250,000 to 1 million;

[#] Denotes population over 1 million.

[&]quot;MSA" Metropolitan Statistical Area

[&]quot;PMSA" Primary Metropolitan Statistical Area

Source: National Association of Home Builders (www.nahb.com), July 2002

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Education and Skills of the Workforce

Fourth Grade Reading and Mathematics

(Not Updated due to Unavailability of Data)

The National Assessment of Education Progress (NAEP) program, sponsored by the U.S. Department of Education, is the only testing program that provides valid uniform educational achievement indicators allowing for state comparisons. The NAEP assesses students in grades 4, 8, and 12 in various academic subjects. These subjects include the arts, geography, reading, science, civics, mathematics, U.S. History, and writing. The Washington State Economic Climate Study tracks the average scale score of fourth grade reading and mathematics by state.

Prior to the 2002-03 school year, participation in the NAEP tests was voluntary, with single-subject tests held every two years, alternating subjects every two years. As such, states that either declined to participate or had an insufficient number of participating schools to create a valid average state score are excluded from the state rankings. Washington did not participate in the inaugural 1992 mathematics and reading tests, and had insufficient voluntary participation in the 2000 mathematics test. Washington did participate in the 2002 reading test, but the results were not ready in time for this publication.

As of the 2002-03 school year, participation in the NAEP test will be mandatory due to the provisions of the "No Child Left Behind Act", which was passed by the Federal Government in 2001. Under the act, the NAEP tests in both reading and mathematics will be given to students in the 4th and 8th grades every two years, starting in the 2002-03 school year.

NAEP scores can be interpreted using the achievement level thresholds and their corresponding definitions outlined below. Reading achievement is measured with exercises that require students to read material for two different purposes, literary experience and knowledge retention. Washington first participated in the reading assessment in 1994 and ranked 19th with a score of 213 among the 39 participants. In 1998, Washington dropped in ranking to 16th, despite its improved score of 217. The skills and content covered in the mathematics section include spatial sense, data analysis, statistics, probability, algebra and functions. Washington participated in the mathematics assessment in 1996 and ranked 17th out of 43 participants with a score of 225.

Chart 26 Grade 4 Public School Students Average Reading Proficiency Scores

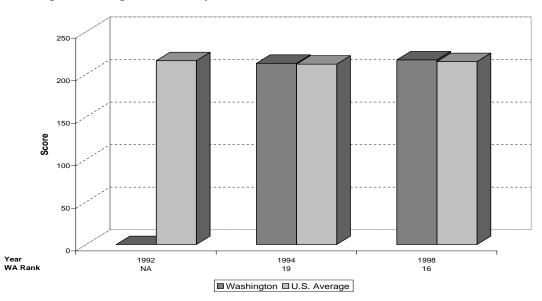


Table 26
Education and Skills of the Workforce
Grade 4 Public School Students:
Average Reading Scale Scores

| Average Reading Seare Scores | 1002 | 1994 | 1998 | 1002 00 |
|------------------------------|------|------|------|---------|
| | 1992 | | | 1992-98 |
| Alabama | 208 | 208 | 211 | 209 |
| Alaska | NA | NA | NA | NA |
| Arizona | 210 | 206 | 207 | 208 |
| Arkansas | 212 | 209 | 209 | 210 |
| California | 203 | 197 | 202 | 201 |
| Colorado | 218 | 213 | 222 | 218 |
| Connecticut | 223 | 222 | 232 | 226 |
| Delaware | 214 | 206 | 212 | 211 |
| Florida | 209 | 205 | 207 | 207 |
| Georgia | 213 | 207 | 210 | 210 |
| Hawaii | 204 | 201 | 200 | 202 |
| Idaho | 221 | NA | NA | 221 |
| Illinois | NA | NA | NA | NA |
| Indiana | 222 | 220 | NA | 221 |
| Iowa | 227 | 223 | 223 | 224 |
| Kansas | NA | NA | 222 | 222 |
| Kentucky | 214 | 212 | 218 | 215 |
| Louisiana | 205 | 197 | 204 | 202 |
| Maine | 228 | 228 | 225 | 227 |
| Maryland | 212 | 210 | 215 | 212 |
| Massachusetts | 227 | 223 | 225 | 225 |
| Michigan | 217 | NA | 217 | 217 |
| Minnesota | 22 | 218 | 222 | 154 |
| Mississippi | 200 | 202 | 204 | 202 |
| Missouri | 221 | 217 | 216 | 218 |
| Montana | NA | 222 | 226 | 224 |
| Nebraska | 222 | 220 | NA | 221 |
| Nevada | NA | NA | 208 | 208 |
| New Hampshire | 229 | 223 | 226 | 226 |
| New Jersey | 224 | 219 | NA | 222 |
| New Mexico | 212 | 205 | 206 | 208 |
| New York | 216 | 212 | 216 | 215 |
| North Carolina | 213 | 214 | 217 | 215 |
| North Dakota | 227 | 225 | NA | 226 |
| Ohio | 219 | NA | NA | 219 |
| Oklahoma | 221 | NA | 220 | 221 |
| Oregon | NA | NA | 214 | 214 |
| Pennsylvania | 222 | 215 | NA | 219 |
| Rhode Island | 218 | 220 | 218 | 219 |
| South Carolina | 211 | 203 | 210 | 208 |
| South Dakota | NA | NA | NA | NA |
| Tennessee | 213 | 213 | 212 | 213 |
| Texas | 214 | 212 | 217 | 214 |
| Utah | 222 | 217 | 215 | 218 |
| Vermont | NA | NA | NA | NA |
| Virginia | 222 | 213 | 218 | 218 |
| Washington | NA | 213 | 217 | 215 |
| West Virginia | 217 | 213 | 216 | 215 |
| Wisconsin | 225 | 224 | 224 | 224 |
| Wyoming | 224 | 221 | 219 | 221 |
| U.S. Average | 216 | 212 | 215 | 214 |
| Washington's Rank | NA | 19 | 16 | 25 |

NA: State did not participate in the NAEP assessment during this year.

Source: National Center for Education Statistics. National Assessment of Education Progress (NAEP) 1992, 1994, 1998 Reading Report Card.

Grade 4 Reading Achievement Levels

Basic 208 Fourth-grade students performing at the Basic level should demonstrate an understanding of the overall meaning of what they read. When reading text appropriate for fourth graders, they should be able to make relatively obvious connections between the text and their own experiences and extend the ideas in the text by making simple inferences.

Proficient 238

Fourth-grade students performing at the Proficient level should be able to demonstrate an overall understanding of the text, providing inferential as well as literal information. When reading text appropriate to fourth grade, they should be able to extend the ideas in the text by making inferences, drawing conclusions, and making connections to their own experiences. The connection between the text and what the student infers should be clear.

Advanced 268

Fourth-grade students performing at the Advanced level should be able to generalize about topics in the reading selection and demonstrate an awareness of how authors compose and use literary devices. When reading text appropriate to fourth grade, they should be able to judge text critically and, in general, give thorough answers that indicate careful thought.

Grade 4 Mathmatics Achievement Levels

Basic 214 Fourth graders performing at the Basic level should be able to estimate and use basic facts to perform simple computations with whole numbers; show some understanding of fractions and decimals; and solve some simple real-world problems in all NAEP content areas. Students at this level should be able to use--though not always accurately--four-function calculators, rulers, and geometric shapes. Their written responses are often minimal and presented without supporting information.

Proficient 249

Fourth graders performing at the proficient level should be able to use whole numbers to estimate, compute, and determine whether results are reasonable. They should have a conceptual understanding of fractions and decimals; be able to solve real-world problems in all NAEP content areas; and use four-function calculators, rulers, and geometric shapes appropriately. Students perfroming at the proficient level should employ problem-solving strategies such as identifying and using appropriate information. Their written solutions should be more organized and presented both with supporting information and explanations of how they were achieved

Advanced 282

Fourth graders performing at the advanced level should be able to solve complex and nonroutine real-world problems in all NAEP content areas. They should display mastery in the use of four-function caluculators, rulers and geometric shapes. The students are expected to draw logical conclusions and to justify answers and solutions processes by explaining why, as well as how, they were achieved. They should go beyond the obvious in their interpretations and to be able to communicate their thoughts clearly and concisely.

Chart 27 Grade 4 Public School Students: Average Mathematics Scale Scores

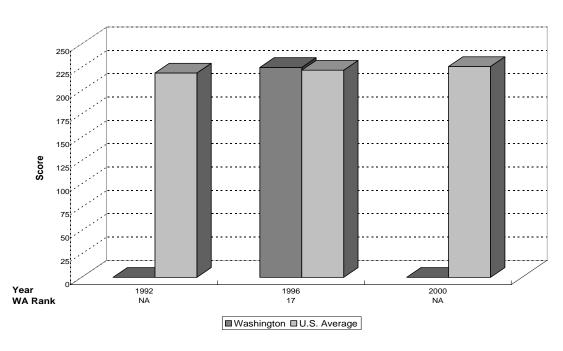


Table 27
Education and Skills of the Workforce **Grade 4 Public School Students:**Average Mathematics Scale Scores

| | 1992 | 1996 | 2000 | 1992-96 |
|--------------------------|-------------|-------------------|-----------|------------|
| Alabama | 208 | 212 | 218 | 210 |
| Alaska | NA | 224 | NA | 224 |
| Arizona | 215 | 218 | 219 | 217 |
| Arkansas | 210 | 216 | 217 | 213 |
| California | 208 | 209 | 214 | 209 |
| Colorado | 221 | 226 | NA | 224 |
| Connecticut | 227 | 232 | 234 | 230 |
| Delaware | 218 | 215 | NA | 217 |
| Florida | 214 | 216 | NA | 215 |
| Georgia | 216 | 215 | 220 | 216 |
| Hawaii | 214 | 215 | 216 | 215 |
| Indiana | 221 | 229 | 234 | 225 |
| Iowa | 230 | 229 | 233 | 230 |
| Kentucky | 215 | 220 | 221 | 218 |
| Louisiana | 204 | 209 | 218 | 207 |
| Maine | 232 | 232 | 231 | 232 |
| Maryland | 217 | 221 | 222 | 219 |
| Massachusetts | 227 | 229 | 235 | 228 |
| Michigan | 220 | 226 | 231 | 223 |
| Minnesota | 228 | 232 | 235 | 230 |
| Mississippi | 202 | 208 | 211 | 205 |
| Missouri | 222 | 225 | 229 | 224 |
| Montana | NA | 228 | 230 | 228 |
| Nebraska | 225 | 228 | 226 | 227 |
| Nevada | NA | 218 | 220 | 218 |
| New Jersey | 227 | 227 | NA | 227 |
| New Mexico | 213 | 214 | 214 | 214 |
| New York | 218 | 223 | 227 | 221 |
| North Carolina | 213 | 224 | 232 | 219 |
| North Dakota | 229 | 231 | 231 | 230 |
| Oregon | NA | 223 | 227 | 223 |
| Pennsylvania | 224 | 226 | NA | 225 |
| Rhode Island | 215 | 220 | 225 | 218 |
| South Carolina | 212 | 213 | 220 | 213 |
| Tennessee | 211 | 219 | 220 | 215 |
| Texas | 218 | 229 | 233 | 224 |
| Utah | 224 | 227 | 227 | 226 |
| Vermont | NA | 225 | 232 | 225 |
| Virginia Washington | 221 N.A. | 223 225 | 230 NA | 222 |
| Washington West Virginia | NA 215 | 225 223 | NA 225 | 225 |
| West Virginia Wisconsin | 213 | 223 | NA | 219 230 |
| | | | | |
| Wyoming | 225 | 223 | 229 | 224 |
| U.S. Average | 219 | 222 | 226 | 221 |
| Washington's Rank | NA | 17 | NA | 12 |

 $\mathrm{NA}\colon State\ did\ not\ participate\ in\ the\ \mathrm{NAEP}$ assessment\ during this year.

Source: National Center for Education Statistics. National Assessment of Education

Progress (NAEP) 1992, 1996, 2000 Reading Report Card.

Tenth Grade WASL Scores

The Washington Assessment of Student Learning (WASL) is a statewide assessment designed to measure whether public school students have mastered the state's Essential Academic Learning Requirements in reading, writing, listening and mathematics in grades 4, 7 and 10. The WASL is administered each spring and is comprised of multiple-choice, short-answer and essay questions. In 2008, high school students must meet standards on the reading, writing, listening and mathematics sections of the tenth-grade WASL in order to graduate.

As the WASL is unique to Washington, test results cannot be compared to those in other states. The results are included here, however, as they provide an indication of Washington's progress in maximizing the number of students who are able to pass the WASL by the tenth grade.

As can be seen in Table 27, tenth-grade WASL scores in all subjects showed continuous improvement from 1999 through 2001. The 2002 test, however, showed declining performance in Reading, Mathematics, and Listening. There is evidence, however, that this decline is the result of both a recent student backlash against the test and the lack of motivation for tenth-graders to perform well on the test due to its current voluntary nature. The Office of the Superintendent of Public Instruction has reported that in the 2002 WASL, tenth-graders left more than 22 percent of open-ended mathematics questions unanswered. They also left unanswered three-times as many writing and reading questions as did the fourth-and seventh-grade students. In addition, the number of tenth-graders who either were absent for or refused to take the test was also much higher than in other grades. Both the Office of the Superintendent of Public Instruction and local school districts are exploring methods of improving student motivation and participation for the 2003 test.

Chart 28
Tenth Grade WASL Scores

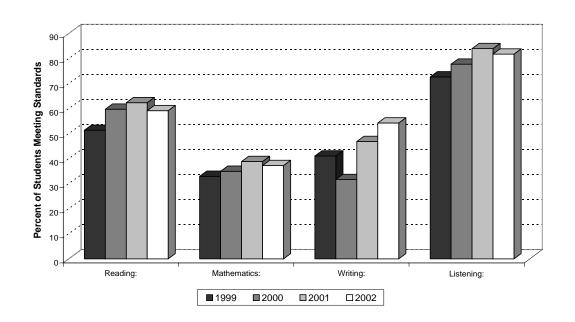


Table 28
Education and Skills of the Workforce
Tenth Grade WASL Test Scores

| | 1999 | 2000 | 2001 | 2002 |
|--------------|------|------|------|------|
| Reading: | 51.4 | 59.8 | 62.4 | 59.2 |
| Mathematics: | 33.0 | 35.0 | 38.9 | 37.3 |
| Writing: | 41.1 | 31.7 | 46.9 | 54.3 |
| Listening: | 72.7 | 77.8 | 84.0 | 81.8 |

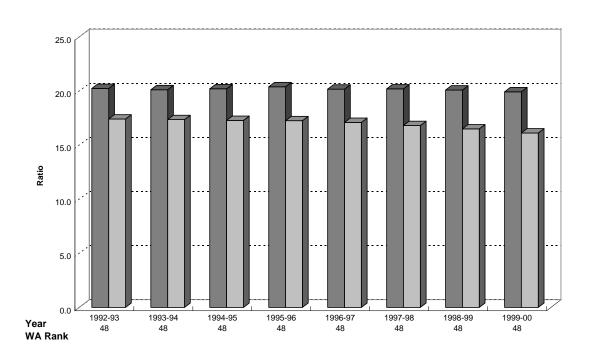
Student to Teacher Ratios

Over the last decade, there has been a nationwide movement to decrease the student to teacher ratios in public schools. The success of this movement to date is evident in the steady decline of the national ratio from 17.4 students per teacher in the 1992-93 school year to 16.1 in the 1999-2000 school year.

Washington has shared in the national trend of declining student to teacher ratios since the 1995-96 school year, declining from 20.4 at that time to 19.9 in the 1999-2000 school year. As other states shared in the decline as well, however, Washington's rank among the states remained constant at 48th throughout this period.

Recognizing Washington's low national rank in this category, the state's voters passed Initiative 728 in November 2000. Under the initiative, which took effect on July 1, 2001, lottery revenues will be redirected from the State's General Fund to the Student Achievement Fund and the Education Construction Fund for the purpose of hiring additional teachers and expanding school facilities. The effects of this initiative will begin to be seen in the student to teacher ratios in the 2001-02 school year.

Chart 29
Student to Teacher Ratios in Elementary and Secondary Public Schools



■ Washington ■ U.S. Average

Table 29
Education and Skills of the Workforce
Pupil to Teacher Ratios in Elementary
and Secondary Public Schools

| • | | | Scho | ol Year | | |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 1995-00 |
| Alabama | 16.9 | 16.6 | 16.3 | 15.7 | 15.2 | 16.1 |
| Alaska | 17.3 | 17.5 | 17.3 | 16.7 | 17.1 | 17.2 |
| Arizona | 19.6 | 19.7 | 19.8 | 20.0 | 19.4 | 19.7 |
| Arkansas | 17.1 | 17.1 | 16.9 | 16.2 | 14.4 | 16.4 |
| California | 24.0 | 22.9 | 21.6 | 21.0 | 21.0 | 22.1 |
| Colorado | 18.5 | 18.5 | 18.2 | 17.7 | 17.4 | 18.1 |
| Connecticut | 14.4 | 14.4 | 14.2 | 14.0 | 13.9 | 14.2 |
| Delaware | 16.8 | 16.6 | 16.3 | 16.0 | 15.4 | 16.2 |
| Florida | 18.9 | 18.6 | 18.4 | 18.4 | 18.3 | 18.5 |
| Georgia | 16.5 | 16.5 | 16.2 | 15.8 | 15.7 | 16.1 |
| Hawaii | 17.8 | 17.7 | 17.8 | 17.7 | 17.1 | 17.6 |
| Idaho | 19.0 | 18.8 | 18.5 | 18.2 | 18.0 | 18.5 |
| Illinois | 17.1 | 17.0 | 16.8 | 16.5 | 16.2 | 16.7 |
| Indiana | 17.5 | 17.3 | 17.2 | 17.0 | 16.8 | 17.2 |
| Iowa | 15.5 | 15.4 | 15.3 | 15.2 | 14.9 | 15.3 |
| Kansas | 15.1 | 15.1 | 14.9 | 14.8 | 14.3 | 14.8 |
| Kentucky | 16.9 | 16.7 | 16.5 | 16.1 | 15.4 | 16.3 |
| Louisiana | 17.0 | 16.6 | 16.6 | 16.6 | 16.6 | 16.7 |
| Maine | 13.9 | 13.7 | 13.5 | 13.2 | 12.8 | 13.4 |
| Maryland | 16.8 | 17.1 | 17.2 | 16.9 | 16.6 | 16.9 |
| Massachusetts | 14.6 | 14.5 | 14.1 | 13.8 | 12.5 | 13.9 |
| Michigan | 19.7 | 19.1 | 18.8 | 18.5 | 18.0 | 18.8 |
| Minnesota | 17.8 | 17.6 | 16.4 | 16.9 | 15.2 | 16.8 |
| Mississippi | 17.5 | 17.2 | 17.1 | 16.1 | 16.3 | 16.8 |
| Missouri | 15.4 | 15.2 | 15.0 | 14.7 | 14.3 | 14.9 |
| Montana | 16.4 | 16.0 | 15.9 | 15.7 | 15.2 | 15.8 |
| Nebraska | 14.5 | 14.5 | 14.5 | 14.3 | 13.9 | 14.3 |
| Nevada New Hampshire | 19.1 15.7 | 19.1 15.6 | 18.5 15.6 | 18.9 15.4 | 18.7 14.7 | 18.9 15.4 |
| | 13.7 | 14.0 | 13.0 | 13.4 | 13.4 | 13.4 |
| New Jersey New Mexico | 17.0 | 14.0 | 16.9 | 16.5 | 16.4 | 16.7 |
| New York | 15.5 | 15.4 | 15.0 | 14.6 | 14.3 | 14.9 |
| North Carolina | 16.2 | 16.1 | 15.0 | 15.8 | 15.6 | 15.9 |
| North Caronna North Dakota | 15.9 | 15.2 | 14.7 | 14.4 | 13.8 | 14.8 |
| Ohio | 17.1 | 17.0 | 16.7 | 16.2 | 15.8 | 16.5 |
| Oklahoma | 15.7 | 15.7 | 15.5 | 15.4 | 15.1 | 15.5 |
| Oregon | 19.8 | 20.1 | 20.1 | 20.0 | 19.6 | 19.9 |
| Pennsylvania | 17.0 | 17.0 | 16.8 | 16.4 | 15.9 | 16.6 |
| Rhode Island | 14.3 | 14.2 | 14.5 | 13.9 | 14.2 | 14.2 |
| South Carolina | 16.2 | 15.7 | 15.6 | 15.2 | 14.7 | 15.5 |
| South Dakota | 15.0 | 14.9 | 15.3 | 14.3 | 14.0 | 14.7 |
| Tennessee | 16.7 | 16.5 | 16.5 | 15.3 | 15.1 | 16.0 |
| Texas | 15.6 | 15.5 | 15.3 | 15.2 | 14.9 | 15.3 |
| Utah | 23.8 | 24.4 | 22.9 | 22.4 | 22.0 | 23.1 |
| Vermont | 13.8 | 13.7 | 13.4 | 12.8 | 12.3 | 13.2 |
| Virginia | 14.4 | 14.7 | 14.7 | 14.2 | 14.0 | 14.4 |
| Washington | 20.4 | 20.2 | 20.2 | 20.1 | 19.9 | 20.2 |
| West Virginia | 14.6 | 14.6 | 14.4 | 14.2 | 13.8 | 14.3 |
| Wisconsin | 15.8 | 16.1 | 15.4 | 14.4 | 14.4 | 15.2 |
| Wyoming | 14.8 | 14.7 | 14.5 | 14.2 | 13.3 | 14.3 |
| U.S. Average | 17.3 | 17.1 | 16.8 | 16.5 | 16.1 | 16.8 |
| Washington's Rank | 48 | 48 | 48 | 48 | 48 | 48 |

Source: U.S. Department of Education, National Center for Education Statistics. Digest of Educational Statistics, 2000, NCES 2001-034, by Thomas D. Synder and Charlene M. Hoffman, Washington, DC:2001. (www.nces.gov)

Education Attainment: Completed Four Years of High School or More

(Not updated due to unavailability of data)

Educational attainment has a significant influence on income, employment, and other factors important to the wellbeing of a state's residents and economy. The 2000 Current Population Survey of the U.S. Bureau of the Census found that the average annual wage for a high school dropout in the years 1997 through 1999 was only \$18,900 (in 1999 dollars) while that of a person with a high school diploma was \$25,900. In addition, the National Center for Educational Statistics reported that the 1999 unemployment rate for adults (25 years old and over) who had not completed high school was 6.7 percent compared with 3.5 percent for those with at least a high school degree.

In 2000, 91.8 percent of Washington's 25 and over population had completed 4 years of high school or more, ranking it 1st among the states. In the last 5 years, Washington has never ranked lower than 4th in this category. Washington's average percentage for the years 1996-2000 was 90.8 percent, 2nd among the states and well above the national average of 84.1 percent.

Chart 30 Completed Four Years of High School or More

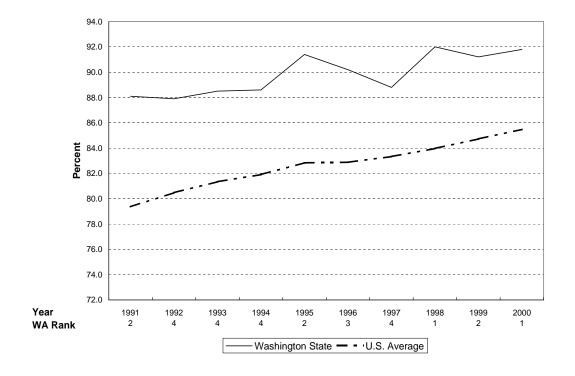


Table 30
Education and Skills of the Workforce
Educational Attainment: Completed Four Years of High School or More
(Percent)*

| (1 ercent) | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Alabama | 75.7 | 77.6 | 78.8 | 81.1 | 77.5 | 78.1 |
| Alaska | 91.4 | 92.1 | 90.6 | 92.8 | 90.4 | 91.5 |
| Arizona | 83.5 | 82.6 | 81.9 | 83.1 | 85.1 | 83.2 |
| Arkansas | 76.2 | 76.9 | 76.8 | 78.9 | 81.7 | 78.1 |
| California | 79.8 | 80.7 | 80.1 | 80.4 | 81.2 | 80.4 |
| Colorado | 89.1 | 87.6 | 89.6 | 90.4 | 89.7 | 89.3 |
| Connecticut | 85.3 | 84.0 | 83.7 | 83.7 | 88.2 | 85.0 |
| Delaware | 82.7 | 84.4 | 85.2 | 84.5 | 86.1 | 84.6 |
| Florida | 81.5 | 81.4 | 81.9 | 82.8 | 84.0 | 82.3 |
| Georgia | 76.5 | 78.8 | 80.0 | 80.7 | 82.6 | 79.7 |
| Hawaii | 84.4 | 83.7 | 84.6 | 88.0 | 87.4 | 85.6 |
| Idaho | 85.9 | 85.7 | 82.7 | 84.8 | 86.2 | 85.0 |
| Illinois | 83.2 | 84.4 | 84.2 | 85.4 | 85.5 | 84.5 |
| Indiana | 83.7 | 81.9 | 83.5 | 82.8 | 84.6 | 83.3 |
| Iowa | 87.4 | 86.7 | 87.7 | 89.8 | 89.7 | 88.3 |
| Kansas | 87.7 | 88.1 | 89.2 | 87.6 | 88.1 | 88.1 |
| Kentucky | 74.0 | 75.4 | 77.9 | 78.2 | 78.7 | 76.8 |
| Louisiana | 74.6 | 75.7 | 78.6 | 78.3 | 80.8 | 77.6 |
| Maine | 84.7 | 85.8 | 86.7 | 88.9 | 89.3 | 87.1 |
| Maryland | 84.6 | 84.7 | 84.7 | 84.7 | 85.7 | 84.9 |
| Massachusetts | 84.9 | 85.9 | 85.6 | 85.1 | 85.1 | 85.3 |
| Michigan | 84.2 | 86.0 | 85.4 | 85.5 | 86.2 | 85.5 |
| Minnesota | 87.9 | 87.9 | 89.4 | 91.1 | 90.8 | 89.4 |
| Mississippi | 75.2 | 77.5 | 77.3 | 78.0 | 80.3 | 77.7 |
| Missouri | 83.9 | 80.1 | 82.9 | 85.0 | 86.6 | 83.7 |
| Montana | 85.6 | 88.6 | 89.1 | 88.8 | 89.6 | 88.3 |
| Nebraska | 87.4 | 86.0 | 87.7 | 89.3 | 90.4 | 88.2 |
| Nevada | 85.4 | 85.4 | 89.1 | 86.4 | 82.8 | 85.8 |
| New Hampshire | 86.4 | 85.1 | 84.0 | 86.5 | 88.1 | 86.0 |
| New Jersey | 84.9 | 84.8 | 86.5 | 87.4 | 87.3 | 86.2 |
| New Mexico | 77.1 | 78.0 | 79.6 | 80.9 | 82.2 | 79.6 |
| New York | 81.6 | 80.0 | 81.5 | 81.9 | 82.5 | 81.5 |
| North Carolina | 76.0 | 78.4 | 81.4 | 79.8 | 79.2 | 79.0 |
| North Dakota | 80.2 | 82.6 | 84.3 | 84.9 | 85.5 | 83.5 |
| Ohio | 84.9 | 86.2 | 86.2 | 86.1 | 87.0 | 86.1 |
| Oklahoma | 83.8 | 85.2 | 84.6 | 83.5 | 86.1 | 84.6 |
| Oregon | 87.5 | 84.7 | 85.5 | 86.2 | 88.1 | 86.4 |
| Pennsylvania | 81.6 | 82.4 | 84.1 | 86.1 | 85.7 | 84.0 |
| Rhode Island | 78.6 | 77.5 | 80.7 | 80.9 | 81.3 | 79.8 |
| South Carolina | 73.8 82.4 | 77.3 | 78.6 86.3 | 78.6 | 83.0 | 78.3 |
| South Dakota | 79.0 | 85.6 76.1 | 86.3 76.9 | 88.7 79.1 | 91.8 79.9 | 87.0 78.2 |
| Tennessee Texas | 79.0 76.4 | 87.5 | 78.3 | 78.2 | 79.9 | 78.2 79.9 |
| Utah | 90.7 | 89.5 | 89.3 | 91.0 | 90.7 | 90.2 |
| Vermont | 86.9 | 84.4 | 86.7 | 89.3 | 90.0 | 87.5 |
| Virginia | 82.0 | 81.3 | 82.6 | 87.3 | 86.6 | 84.0 |
| Washington | 90.2 | 88.8 | 92.0 | 91.2 | 91.8 | 90.8 |
| West Virginia | 74.7 | 77.3 | 76.4 | 75.1 | 77.1 | 76.1 |
| Wisconsin | 88.7 | 87.1 | 88.0 | 86.7 | 86.7 | 87.4 |
| Wyoming | 90.2 | 91.3 | 90.0 | 90.7 | 90.0 | 90.4 |
| 50 State Average | 82.9 | 83.3 | 84.0 | 84.7 | 85.5 | 84.1 |
| Washington's Rank | 3 | 4 | 1 | 2 | 1 | 2 |
| | | | | | | |

^{*}Percent of persons 25 years or older who have completed 4 years of high school or more.

Source: U.S. Department of Commerce, Bureau of the Census, Educational Attainment in the United States: March 1996-2000. (www.census.gov)

Education Attainment: Completed Bachelors Degree or More

(Not updated due to unavailability of data)

The 2000 Current Population Survey of the U.S. Bureau of the Census found that while the average annual wage for a person with a high school diploma in the years 1997 through 1999 was \$25,900 (in 1999 dollars), that of a person who held at least a Bachelor's Degree was \$45,400. In addition, the National Center for Educational Statistics reported that the 1999 unemployment rate for adults (25 years old and over) with at least a high school degree was 3.5 percent compared with 1.8 percent for those who held at least a Bachelor's Degree. Clearly, having a high percentage of state population with Bachelor's Degrees or higher has a positive influence on a state's economy.

In 2000, 28.6 percent of Washington's population 25 years of age and over had completed a bachelor's degree or more, well above the national average of 24.9 percent. While this is the same percentage of people of that age who had completed at least a bachelor's degree in 1999, Washington declined in national rank from 8th in 1999 to 11th in 2000. Nonetheless, on average, Washington has been in the top ten states in this category for not only the years 1996-2000, but also for the last decade.

Chart 31 Completed Bachelor's Degree or More

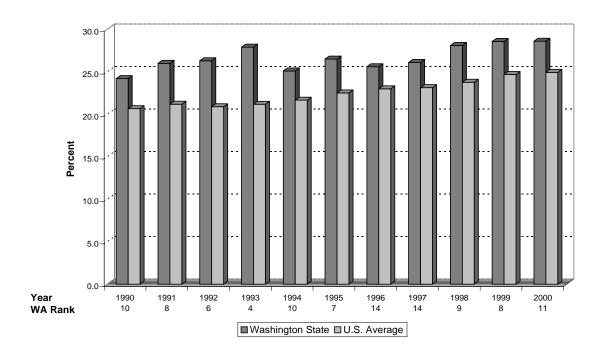


Table 31
Education and Skills of the Workforce
Educational Attainment: Completed Bachelor's Degree or More
(Percent)*

| (Percent)* | 4006 | 400= | 1000 | 1000 | • • • • | 100600 |
|-------------------------------|---------------------|----------------------|----------------------|------------------|-------------------|---------------------|
| | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
| Alabama | 18.0 | 19.3 | 20.6 | 21.8 | 20.4 | 20.0 |
| Alaska | 27.2 | 27.5 | 24.2 | 25.5 | 28.1 | 26.5 |
| Arizona | 20.4 | 19.5 | 21.9 | 24.2 | 24.6 | 22.1 |
| Arkansas | 14.6 | 14.6 | 16.2 | 17.3 | 18.4 | 16.2 |
| California | 26.8 | 27.5 | 26.4 | 27.1 | 27.5 | 27.1 |
| Colorado | 30.4 | 28.9 | 34.0 | 38.7 | 34.6 | 33.3 |
| Connecticut | 32.3 | 30.0 | 31.4 | 33.5 | 31.6 | 31.8 |
| Delaware | 27.4 | 26.8 | 25.1 | 24.0 | 24.0 | 25.5 |
| Florida | 20.4 | 21.7 | 22.5 | 21.6 | 22.8 | 21.8 |
| Georgia | 22.4 | 22.3 | 20.7 | 21.5 | 23.1 | 22.0 |
| Hawaii | 23.9 | 22.5 | 24.0 | 26.2 | 26.3 | 24.6 |
| Idaho | 20.3 | 19.4 | 20.3 | 20.8 | 20.0 | 20.2 |
| Illinois | 24.5 | 25.0 | 25.8 | 25.6 | 27.1 | 25.6 |
| Indiana | 16.2 | 16.2 | 17.7 | 18.4 | 17.1 | 17.1 |
| Iowa | 21.3 | 21.7 | 20.3 | 21.7 | 25.5 | 22.1 |
| Kansas | 26.5 | 27.5 | 28.5 | 26.5 | 27.3 | 27.3 |
| Kentucky | 17.5 | 17.6 | 20.1 | 19.8 | 20.5 | 19.1 |
| Louisiana | 19.2 | 18.1 | 19.5 | 20.7 | 22.5 | 20.0 |
| Maine | 19.7 | 20.0 | 19.2 | 22.9 | 24.1 | 21.2 |
| Maryland | 32.5 | 32.2 | 31.8 | 34.7 | 32.3 | 32.7 |
| Massachusetts | 32.4 | 33.5 | 31.0 | 31.0 | 32.7 | 32.1 |
| Michigan | 21.1 | 21.0 | 22.1 | 21.3 | 23.0 | 21.7 |
| Minnesota | 26.3 | 28.3 | 31.0 | 32.0 | 31.2 | 29.8 |
| Mississippi | 16.9 | 20.9 | 19.5 | 19.2 | 18.7 | 19.0 |
| Missouri | 24.3 | 22.9 | 22.4 | 23.0 | 26.2 | 23.8 |
| Montana | 21.9 | 25.2 | 23.9 | 23.9 | 23.8 | 23.8 |
| Nebraska | 24.0 | 21.3 | 20.9 | 20.4 | 24.6 | 22.2 |
| Nevada | 19.0 | 19.9 | 20.6 | 20.2 | 19.3 | 19.8 |
| New Hampshire | 27.6 | 27.0 | 26.6 | 27.2 | 30.1 | 27.7 |
| New Jersey | 28.3 | 28.5 | 30.1 | 30.5 | 30.1 | 29.5 |
| New Mexico | 20.8 | 23.6 | 23.1 | 24.5 | 23.6 | 23.1 |
| New York | 25.6 | 25.8 | 26.8 | 26.9 | 28.7 | 26.8 |
| North Carolina | 21.0 | 22.6 | 23.3 | 23.9 | 23.2 | 22.8 |
| North Dakota | 19.9 | 20.5 | 22.5 | 22.3 | 22.6 | 21.6 |
| Ohio | 22.3 | 21.5 | 21.5 | 25.5 | 24.6 | 23.1 |
| Oklahoma | 20.1 | 20.5 | 20.5 | 23.6 | 22.5 | 21.4 |
| Oregon | 22.8 | 24.3 | 27.7 | 26.8 | 27.2 | 25.8 |
| Pennsylvania | 22.3 | 22.9 | 22.1 | 23.9 | 24.3 | 23.1 |
| Rhode Island | 24.5 | 25.7 | 27.8 | 26.9 | 26.4 | 26.3 |
| South Carolina | 18.1 | 19.2 | 21.3 | 20.9 | 19.0 | 19.7 |
| South Dakota | 20.8 | 20.1 | 21.8 | 25.6 | 25.7 | 22.8 |
| Tennessee | 19.5 | 17.1 | 16.9 | 17.7 | 22.0 | 18.6 |
| Texas | 21.9 | 22.4 | 23.3 | 24.4 | 23.9 | 23.2 |
| Utah | 25.6 | 26.7 | 23.3 27.6 | 24.4 | 26.4 | 26.8 |
| Vermont | 27.1 | 23.7 | 27.0 | 28.3 | 28.8 | 27.0 |
| | 26.3 | 28.0 | 30.3 | 31.6 | 31.9 | |
| Virginia Washington | 26.3 25.6 | 28.0 26.1 | 30.3 28.1 | 28.6 | 28.6 | 29.6 27.4 |
| West Virginia | 25.6 14.2 | 2 6.1 14.7 | 2 8.1 16.3 | 28.0 18.0 | 15.3 | 15.7 |
| Wisconsin | 24.0 | 22.4 | 22.3 | 23.6 | 23.8 | 23.2 |
| Wyoming | 24.0 24.2 | 22.4 | 22.3 19.8 | 23.6 | 23.8 | 23.2 |
| U.S. Average | 23.0 | 23.1 | 23.8 | 24.7 | 24.9 | 23.9 |
| Washington's Rank | 23.0 14 | 23.1 14 | 23.8 | 24.7 8 | 24.9 11 | 23.9 |
| wasnington s Kank | 14 | 14 | 9 | o | 11 | 9 |

 $Source: U.S.\ Department\ of\ Commerce,\ Bureau\ of\ the\ Census.\ Educational\ Attainment\ in\ the\ United\ States:\ March\ 1996-2000.\ (www.census.gov)$

^{*} Percent of persons 25 years old and over who have obtained a Bachelor's degree or higher.

Public Two and Four Year College Combined Participation Rate

(Not updated due to unavailability of data. Data will be available from the Washington Office of Financial Management in November 2002)

Washington, more than most states, relies heavily on the community college system to provide the first two years of a college education. This affects participation rates in predictable ways. Washington and states with a similar policy have higher than average two-year participation rates, and lower than average four-year participation rates. Since two- and four-year participation rates presented separately give a skewed view of Washington's overall participation rate, this report combines the two statistics to produce a participation rate inclusive of two and four-year participants. With this adjustment, states that are more reliant on the community college system can be better compared to other states.

With the combined measure, Washington's 1997 rate of 6.6 is comparable with the rest of the U.S. (an average rate of 5.7.) Washington's higher education participation rate has changed very little between 1993 and 1997, although its rank improved from 14th to 10th. It is important to note that the data from 1993 to present included students enrolled in five technical colleges. This accounts for the increase from 6.1 to 6.7 percent and improvement in rank from 23rd to 14th from 1992 to 1993.

Chart 32
Total Public Two and Four Year Combined Participation Rate

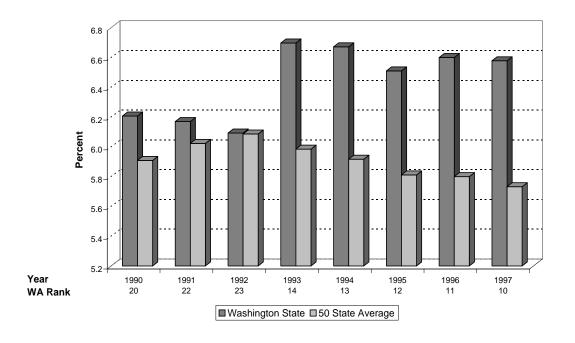


Table 32 Education and Skills of the Workforce Total Public Two and Four Year College Combined Participation Rate (Participation Rate)*

| (Participation Kate) | 1993 | 1994 | 1995 | 1996 | 1997 | 1993-97 |
|----------------------|------|------|------|------|------------|------------|
| Alabama | 6.6 | 7.5 | 6.3 | 6.0 | 5.9 | |
| Alaska | 6.9 | 6.5 | 6.7 | 6.5 | | 6.5 6.6 |
| Arizona | 8.5 | 8.4 | 8.3 | 7.9 | 6.2 7.7 | 8.2 |
| Arkansas | 4.8 | 4.6 | 4.7 | 5.2 | 5.3 | 4.9 |
| California | 7.0 | 6.8 | 6.7 | 7.0 | 7.0 | 6.9 |
| Colorado | 7.0 | 7.7 | 7.5 | 7.5 | 7.5 | 7.6 |
| Connecticut | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 | 4.0 |
| Delaware | 6.7 | 6.7 | 6.6 | 6.6 | 6.4 | 6.6 |
| Florida | 4.8 | 4.9 | 4.8 | 5.0 | 5.1 | 4.9 |
| Georgia | 4.7 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| Hawaii | 5.7 | 5.8 | 5.6 | 5.3 | 5.0 | 5.5 |
| Idaho | 6.0 | 6.0 | 5.9 | 5.8 | 5.7 | 5.9 |
| Illinois | 6.3 | 6.2 | 6.0 | 6.0 | 6.0 | 6.1 |
| Indiana | 5.3 | 5.2 | 5.1 | 5.0 | 5.1 | 5.1 |
| Iowa | 5.7 | 5.7 | 5.7 | 5.8 | 5.9 | 5.8 |
| Kansas | 8.2 | 8.0 | 8.4 | 8.3 | 8.4 | 8.3 |
| Kentucky | 5.4 | 5.2 | 5.1 | 5.2 | 5.1 | 5.2 |
| Louisiana | 5.6 | 5.6 | 5.5 | 5.9 | 5.9 | 5.7 |
| Maine | 4.2 | 4.1 | 4.0 | 4.0 | 3.9 | 4.1 |
| Maryland | 6.0 | 5.9 | 5.8 | 5.7 | 5.6 | 5.8 |
| Massachusetts | 3.9 | 3.8 | 3.8 | 3.7 | 3.7 | 3.8 |
| Michigan | 6.8 | 6.6 | 6.5 | 6.2 | 6.2 | 6.5 |
| Minnesota | 6.2 | 6.7 | 6.3 | 6.1 | 5.8 | 6.2 |
| Mississippi | 5.7 | 5.5 | 5.6 | 5.7 | 5.9 | 5.7 |
| Missouri | 5.0 | 4.8 | 4.7 | 4.7 | 4.7 | 4.8 |
| Montana | 5.5 | 5.5 | 5.8 | 5.8 | 5.8 | 5.7 |
| Nebraska | 8.0 | 8.0 | 7.8 | 8.1 | 7.2 | 7.8 |
| Nevada | 6.1 | 5.8 | 5.8 | 6.0 | 5.8 | 5.9 |
| New Hampshire | 4.2 | 4.1 | 4.2 | 4.1 | 4.0 | 4.1 |
| New Jersey | 4.6 | 4.5 | 4.5 | 4.3 | 4.2 | 4.4 |
| New Mexico | 8.5 | 8.2 | 8.0 | 8.1 | 8.1 | 8.2 |
| New York | 4.4 | 4.4 | 4.3 | 4.1 | 4.1 | 4.2 |
| North Carolina | 5.7 | 5.6 | 5.5 | 5.4 | 5.3 | 5.5 |
| North Dakota | 7.7 | 7.7 | 7.6 | 7.6 | 7.2 | 7.6 |
| Ohio | 5.1 | 5.0 | 4.9 | 4.8 | 4.8 | 4.9 |
| Oklahoma | 6.7 | 6.7 | 6.5 | 6.6 | 6.5 | 6.6 |
| Oregon | 6.2 | 6.0 | 6.0 | 5.8 | 5.8 | 6.0 |
| Pennsylvania | 3.8 | 3.7 | 3.6 | 3.7 | 3.6 | 3.7 |
| Rhode Island | 5.3 | 5.1 | 5.1 | 4.9 | 4.9 | 5.0 |
| South Carolina | 5.4 | 5.4 | 5.3 | 5.3 | 5.1 | 5.3 |
| South Dakota | 6.0 | 5.9 | 5.6 | 6.0 | 6.0 | 5.9 |
| Tennessee | 5.0 | 4.8 | 4.8 | 4.9 | 4.7 | 4.9 |
| Texas | 6.4 | 6.3 | 6.2 | 6.0 | 6.0 | 6.2 |
| Utah | 8.1 | 8.5 | 8.3 | 8.3 | 8.4 | 8.3 |
| Vermont | 4.8 | 4.6 | 4.6 | 4.5 | 4.5 | 4.6 |
| Virginia | 5.9 | 5.8 | 5.8 | 5.7 | 5.8 | 5.8 |
| Washington | 6.7 | 6.7 | 6.5 | 6.6 | 6.6 | 6.6 |
| West Virginia | 5.5 | 5.4 | 5.2 | 5.3 | 5.3 | 5.3 |
| Wisconsin | 6.8 | 6.6 | 6.4 | 6.3 | 6.2 | 6.5 |
| Wyoming | 8.8 | 8.7 | 8.3 | 8.4 | 8.2 | 8.5 |
| 50 State Average | 6.0 | 5.9 | 5.8 | 5.8 | 5.7 | 5.8 |
| Washington's Rank | 14 | 13 | 12 | 11 | 10 | 10 |
| | | | | | | |

^{*}Participation rate: Headcount compared to population aged 17 & above.

Value Added Per Hour of Labor in Manufacturing

"Value added" in manufacturing is a measure of the difference between the value of a finished object and the value of the raw materials that went into its production. The total value added of an industry represents the amount of revenue available for payment of wages, rent, taxes, interest, profit, and all other business costs aside from raw materials.

The <u>Annual Survey of Manufactures</u> (ASM), published by the U.S. Census Bureau, provides estimates of worker hours and value added for all manufacturing establishments with one or more paid employee. As it is a sample survey, its estimates possess varying margins of error. To minimize the effects of these errors, the ASM estimates are presented in Table 32 as three-year moving averages. Due to ASM reclassification from the Standard Industrial Code (SIC) to the North American Industry Classification System (NAICS) in 1997, survey estimates prior to that date are not included due to noncomparability.

The amount of value added per hour of labor varies greatly among different industries. Highly automated industries such as semiconductors have very high value added per hour since one person can operate a machine that puts out a large volume of high-value product, while less automated industries such as furniture manufacturing require more labor per dollar of added value. (Highly automated industries, however, also have much higher equipment costs, so high value added does not necessarily imply high profit.) Within a specific industry, however, interstate differences in value added per worker hour may be interpreted as differences in worker productivity between states.

The differences in value-added across industries makes a state's average value added per worker hour highly dependent upon its particular industry mix. States with a large percentage of high value added industries (such as semiconductors in New Mexico and Arizona) perform very well in this measure, reported as "Non-Weighted" in Table 32. Washington also performs well in this measure, indicating an industry mix of higher-than-average labor productivity.

To minimize the effects of industry mix on estimates of state productivity, the "Weighted" values in Table 32 represent value added per worker hour as if each state had an identical mix of industries. In this case, state worker hours in each of the 21 major NAICS manufacturing groups were adjusted to be identical in proportion to the national average. When measured in this way, Washington's average value added per worker hour moves to slightly below the national average. This method, however, is still susceptible to error for two main reasons. The first reason is that most states are either totally lacking in several industries or have only one representative of an industry, which makes the data unreportable by the Census due to disclosure laws (though the data is included in the totals). These omissions are treated as an undifferentiated "remainder" industry that can skew a state's average greatly depending upon what the productivity of the hidden industry is and the proportion of total hours the remainder represents. Alaska is a prime example, with all industries except food products hidden by disclosure laws. The second reason is that there is still a large degree of productivity variation within major NAICS categories. For example, NAICS group 334 includes semiconductor manufacturing along with computer, electronic instrument, and other electronics manufacturing industries with much lower labor productivity than semiconductors. When each state is given the same number of hours in group 334, therefore, those states who have a large percentage of semiconductor worker hours in that group will still record higher-than-average productivity in that group. For this reason, both Arizona and New Mexico still perform above average in the weighted results. Nevertheless, by accounting for most of the industry mix variation, the weighted results can still provide a general idea of where each state lies in the labor productivity spectrum.

Table 32
Education and Skills of the Workforce
Value Added per Hour of Labor in Manufacturing
(Three Year Average, Dollars)

| | Weighted 1997-1999 | Weighted 1998-2000 | Non-Weighted 1997-1999 | Non-Weighted 1998-2000 |
|------------------------------------|-----------------------|-----------------------|---------------------------|---------------------------|
| Alabama | 57.38 | 59.05 | 54.02 | 55.56 |
| Alaska | 121.75 | 114.76 | 61.29 | 59.12 |
| Arizona | 92.63 | 95.39 | 122.02 | 124.54 |
| Arkansas | 60.54 | 63.51 | 53.90 | 55.05 |
| California | 81.52 | 86.20 | 89.30 | 94.72 |
| Colorado | 78.16 | 78.71 | 86.63 | 86.16 |
| Connecticut | 89.88 | 92.49 | 88.56 | 90.77 |
| Delaware | 78.60 | 80.35 | 86.26 | 90.96 |
| Florida | 69.22 | 69.55 | 72.55 | 73.31 |
| Georgia | 75.23 | 77.38 | 70.89 | 73.25 |
| Hawaii | 73.68 | 99.20 | 65.59 | 67.78 |
| Idaho | 71.39 | 86.29 | 74.91 | 101.36 |
| Illinois | 74.09 | 77.03 | 75.61 | 78.40 |
| Indiana | 77.34 | 82.16 | 72.40 | 75.92 |
| Iowa | 79.50 | 81.68 | 77.96 | 78.34 |
| Kansas | 64.27 | 65.69 | 67.06 | 67.71 |
| Kentucky | 80.15 | 77.54 | 87.60 | 82.84 |
| Louisiana | 67.68 | 67.34 | 107.84 | 109.63 |
| Maine | 58.76 | 63.93 | 58.32 | 64.33 |
| Maryland | 80.41 | 80.99 | 85.87 | 85.94 |
| Massachusetts | 79.53 | 83.06 | 90.61 | 95.04 |
| Michigan | 70.83 | 71.97 | 73.37 | 74.78 |
| Minnesota | 76.00 | 75.91 | 73.96 | 78.04 |
| Mississippi | 53.33 | 57.19 | 47.78 | 49.56 |
| Missouri | 80.30 | 79.46 | 84.66 | 83.38 |
| Montana | 82.22 | 73.19 | 64.81 | 61.64 |
| Nebraska | 68.17 | 66.38 | 62.53 | 64.99 |
| Nevada | 69.16 | 69.94 | 65.44 | 71.20 |
| New Hampshire | 70.77 | 69.15 | 79.40 | 75.46 |
| New Jersey | 75.42 | 79.62 | 90.05 | 93.41 |
| New Mexico | 102.06 | 93.62 | 217.52 | 197.84 |
| New York | 72.46 | 75.74 | 74.40 | 78.39 |
| North Carolina | 74.43 | 74.12 | 70.62 | 75.01 |
| North Dakota | 58.24 | 55.24 | 68.93 | 71.62 |
| Ohio | 79.64 | 81.20 | 77.54 | 78.81 |
| Oklahoma | 75.06 | 71.69 | 70.09 | 70.24 |
| Oregon | 71.48 | 74.39 | 80.81 | 84.72 |
| Pennsylvania | 76.57 | 78.92 | 74.13 | 76.62 |
| Rhode Island | 53.88 | 53.72 | 54.48 | 57.54 |
| South Carolina | 67.08 | 69.75 | 64.41 | 66.36 |
| South Dakota | 61.22 | 65.34 | 80.32 | 84.91 |
| Tennessee | 64.75 | 67.73 | 62.48 | 64.96 |
| Texas | 82.37 | 84.26 | 94.90 | 95.84 |
| Utah | 68.70 | 70.61 | 70.82 | 73.80 |
| Vermont | 79.45 | 84.22 | 74.61 | 79.80 |
| Virginia Washington | 77.64 | 81.46 | 85.43 82.63 | 92.74 87.71 |
| Washington West Virginia | 74.01 | 77.70 62.74 | 82.62 81.52 | 81.63 |
| Wisconsin | 60.27 71.68 | 75.94 | 81.52 68.53 | 71.74 |
| Wyoming | 69.57 | 73.94 | 83.93 | 86.00 |
| | | | | |
| U.S. | 77.67 | 80.31 | 77.67 | 80.31 |
| WA Rank | 26 | 21 | 16 | 12 |

Source: U.S. Department of Commerce, Census Bureau, Annual Survey of Manufactures

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Infrastructure

Interstate Miles in Poor Condition

Since 1990, the Federal Highway Administration (FHWA) has required states to report road roughness according to the International Roughness Index (IRI). The IRI is collected in accordance with the Highway Performance Monitoring System Field Manual for the Continuing Analytical and Statistical Database. This document mandates standard codes for the collection and publication of the IRI and therefore ensures that various data will be reported in a consistent format. The IRI is used in the development of Federal highway legislation and is published annually in the FHWA's Highway Statistics. On a state level, this information is used as an aid to highway planning, programming, budgeting, forecasting and fiscal management. Maintaining interstate and highway conditions is crucial for ensuring safety, improving efficiency, and allowing fluid movement of people and goods throughout the state.

In 2000, Washington matched its 1999 record low of 1.4 percent of interstate miles in poor condition, ranking 23rd in the nation. In 1996 and 1997, Washington ranked 41st and 40th respectively with 10 and 8.9 percent of its interstates considered in poor condition. The magnitude of the improvement from 1996-97 to 1998-99 can largely be attributed to heavy construction on Interstates 90, 82, and 5 during 1997. The 1997-99 biennium witnessed \$60.8 million in improvements from the paving program.

Chart 34 Interstate Highways in Poor Condition

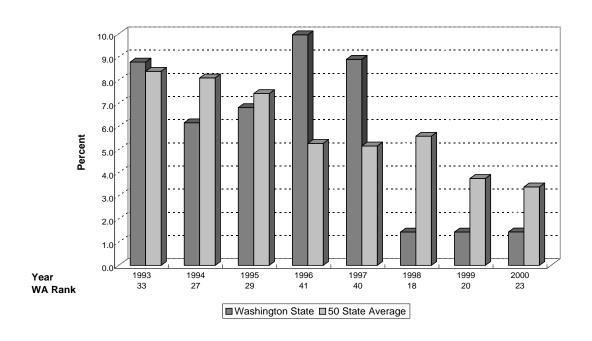


Table 34 Infrastructure **Interstate Miles in Poor Condition** (Percent)

| Alabama 0.6 0.6 0.6 1.1 1.1 0.8 Alaska 94 9.1 8.0 4.3 0.1 6.2 Arizona 0.3 0.6 1.4 0.2 0.1 0.5 Arkansas 29.7 28.7 39.1 30.7 26.3 30.9 Colorado 21.0 117.6 12.7 0.5 0.0 10.4 Colorado 21.0 17.6 12.7 0.5 0.0 10.4 Delaware 29.3 29.3 29.3 28.2 28.2 28.2 Florda 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Hawair* NA NA NA 2.1 2.3 2.1 Illinois*** 4.9 4.4 3.8 1.1 0.5 0.5 1.9 Iowa 2.6 2.4 2.8 2.8 | (Percent) | 1006 | 1005 | 1000 | 1000 | 2000 | 1007 2000 |
|--|---------------|------|------|------|------|------|-----------|
| Alaska 94 91 8.0 4.3 0.1 62 Arkansas 29.7 28.7 39.1 30.7 26.3 30.9 Califormia 10.1 10.9 10.8 10.7 13.6 11.2 Colorado 21.0 17.6 12.7 0.5 0.0 10.4 Connecticut 9.3 7.2 6.3 6.9 5.8 7.1 Delaware 29.3 29.3 29.3 28.2 28.2 28.2 28.8 Florida 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Hawair* NA | | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-2000 |
| Arizona 0.3 0.6 1.4 0.2 0.1 0.5 Arkansas 29.7 28.7 39.1 30.7 26.3 30.9 California 10.1 10.9 10.8 10.7 13.6 11.2 Colorado 21.0 17.6 12.7 0.5 0.0 10.4 Comecticut 9.3 7.2 6.3 6.9 5.8 7.1 Delaware 29.3 29.3 29.3 28.2 28.2 28.8 Florida 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 1.0 1.0 1.4 | | | | | | | |
| Arkansas 297 287 39.1 30.7 26.3 30.9 California 10.1 10.9 10.8 10.7 13.6 11.2 Colorado 21.0 17.6 12.7 0.5 0.0 10.4 Connecteut 9.3 7.2 6.3 6.9 5.8 7.1 Delaware 29.3 29.3 29.3 28.2 28.2 28.8 Florida 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 0.0 0.0 0.2 0.0 0.0 Hawair* NA NA NA NA NA NA NA Idhaina 4.1 3.5 1.1 0.5 0.5 1.9 Inova 2.6 2.4 2.8 2.8 2.0 2.5 Kansas 0.0 2.0 0.8 0.8 0.2 2.8 Kentucky 1.0 0.8 1.2 2.0 1.6 | | | | | | | |
| Calfornia 10.1 10.9 10.8 10.7 13.6 11.2 Colorado 21.0 17.6 12.7 0.5 0.0 10.4 Connecticut 9.3 7.2 6.3 6.9 5.8 7.1 Dclaware 29.3 29.3 29.3 28.2 28.2 28.8 Horda 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Hawaii* NA NA NA NA NA NA NA Idaho 2.9 1.5 1.5 2.1 2.3 2.1 Illinois*** 4.9 4.3 NA 2.5 2.3 3.5 Iowa 2.6 2.4 2.8 2.8 2.0 2.5 Kentucky 1.0 0.8 1.2 2.0 1.6 1.3 Louisiana 4.9 8.4 14.2 12.9 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Colorado 21.0 17.6 12.7 0.5 0.0 10.4 Connecticut 9.3 7.2 6.3 6.9 5.8 7.1 Delaware 29.3 29.3 29.3 28.2 28.2 28.8 Florida 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 0.0 0.0 0.0 0.0 0.0 Hawain** NA NA NA NA NA NA NA Idaho 2.9 1.5 1.5 2.1 2.3 2.1 Illinois** 4.9 4.3 NA 2.5 2.3 3.5 Indian 4.1 3.5 1.1 0.5 0.5 1.9 Iowa 2.6 2.4 2.8 2.8 2.0 2.5 Kansas 0.0 2.0 0.8 0.8 0.2 0.8 Kentucky 1.0 0.8 1.2 2.0 1.6 | | | | | | | |
| Connecticut 9.3 7.2 6.3 6.9 5.8 7.1 Delaware 29.3 29.3 29.3 28.2 28.2 Florida 1.1 0.2 0.0 0.6 0.8 0.5 Georgia 0.0 0.0 0.0 0.0 0.2 0.0 0.0 Hawaii* NA NA NA NA NA NA Idaho 2.9 1.5 1.5 2.1 2.3 2.1 Illinois** 4.9 4.3 NA 2.5 2.3 3.5 Indiana 4.1 3.5 1.1 0.5 0.5 1.9 Iowa 2.6 2.4 2.8 2.8 2.0 2.2 Kansas 0.0 2.0 0.8 0.8 0.2 0.8 Kentucky 1.0 0.8 1.2 2.0 1.6 1.3 Louisiana 4.9 8.4 14.2 12.9 9.3 9.9 Maine 0.0 0.0 0.0 0.0 0.0 0.3 0.1 Maryland 4.8 4.4 5.4 4.0 3.9 4.5 Massachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Michigan 5.2 5.2 11.3 7.9 7.8 7.5 Minnesota 5.4 2.6 6.7 0.3 0.0 3.0 Mississippi 5.8 6.0 5.5 4.7 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nebraska 0.2 5.0 6.2 2.3 7.7 4.3 Newda 3.9 5.4 5.3 1.6 1.6 1.3 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New York 12.5 12.2 12.3 16.6 12.0 13.1 North Carolina 19.3 16.3 14.3 6.7 5.5 2.3 New York 12.5 12.2 12.3 16.6 12.0 13.1 North Carolina 19.1 1.1 6.6 0.8 Oklahoma 11.1 6.8 6.8 7.1 7.1 7.8 Oregon 0.5 0.1 43.1 0.1 0.0 0.8 Pennsylvania 9.1 7.4 1.5 3.5 2.3 4.8 Rhode Island 5.0 0.0 1.5 1.4 1.5 1.9 South Dakota 5.1 0.0 0.0 0.0 0.0 0.0 0.0 Ohio 1.2 0.6 0.3 1.1 0.6 0.8 Oklahoma 1.1 6.6 0.8 0.1 0.1 0.4 0.4 Oregon 0.5 0.1 43.1 0.1 0.0 0.8 Pennsylvania 9.1 7.4 1.5 3.5 2.3 3.8 Oregon 0.5 0.1 43.1 0.1 0.0 0.8 Pennsylvania 1.0 0.0 0.0 0.0 0.0 0.0 0.1 Veshington 10.0 8.9 1.4 1.4 1.4 4.6 West Virginia 1.9 | | | | | | | |
| Delaware | | | | | | | |
| Florida | | | | | | | |
| Georgia 0.0 0.0 0.0 0.2 0.0 0.0 Hawaii** NA | | | | | | | |
| Hawaii* | | | | | | | |
| Idaho | | | | | | | |
| Illinois** | | | | | | | |
| Indiana | | | | | | | |
| Iowa 2.6 2.4 2.8 2.8 2.0 2.5 Kansas 0.0 2.0 0.8 0.8 0.2 0.8 Kentucky 1.0 0.8 1.2 2.0 1.6 1.3 Louisiana 4.9 8.4 14.2 12.9 9.3 9.9 Maine 0.0 0.0 0.0 0.0 0.3 0.1 Marsachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Massachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Michigan 5.2 5.2 11.3 7.9 7.8 7.5 Minnesota 5.4 2.6 6.7 0.3 0.0 3.0 Missouri 1.5 3.5 3.8 3.4 4.1 1.3 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 1.6 3.6 New Evalue 2.5 0.0 0.2< | Illinois** | 4.9 | | NA | | | |
| Kansas 0.0 2.0 0.8 0.8 0.2 0.8 Kentucky 1.0 0.8 1.2 2.0 1.6 1.3 Louisiana 4.9 8.4 14.2 12.9 9.3 9.9 Mainc 0.0 0.0 0.0 0.0 0.3 0.1 Maryland 4.8 4.4 5.4 4.0 3.9 4.5 Massachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Michigan 5.2 5.2 11.3 7.9 7.8 7.5 Minchigan 5.2 5.2 11.3 7.9 7.8 7.5 Minsissipin 5.8 6.0 5.5 4.7 4.7 5.3 Mississipi 5.8 6.0 5.5 4.7 4.7 5.3 Mississipi 5.8 6.0 5.5 4.7 4.7 4.7 5.3 Mississipi 5.8 6.0 5.5 4.8 | | | | | | | |
| Kentucky 1.0 0.8 1.2 2.0 1.6 1.3 Louisiana 4.9 8.4 14.2 12.9 9.3 9.9 Marine 0.0 0.0 0.0 0.0 0.0 0.3 0.1 Maryland 4.8 4.4 5.4 4.0 3.9 4.5 Massachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Missinamin 5.2 5.2 5.2 11.3 7.9 7.8 7.5 Minnesota 5.4 2.6 6.7 0.3 0.0 3.0 Mississurpi 5.8 6.0 5.5 4.7 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nessack 0.2 5.0 6.2 2.3 7.7 4.3 Nevalana 3.9 5.4 5.3 | Iowa | 2.6 | | | | | |
| Louisiana | Kansas | | | | | | |
| Maine 0.0 0.0 0.0 0.0 0.3 0.1 Maryland 4.8 4.4 5.4 4.0 3.9 4.5 Massachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Michigan 5.2 5.2 11.3 7.9 7.8 7.5 Minnesota 5.4 2.6 6.7 0.3 0.0 3.0 Mississippi 5.8 6.0 5.5 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nebraska 0.2 5.0 6.2 2.3 7.7 4.3 Mevadad 3.9 5.4 5.3 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.4 0.4 0.0 0.2 New York 12.5 12.2 12.3 16.6 12.0 12.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
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| Massachusetts 2.3 1.8 0.9 1.4 1.1 1.5 Michigan 5.2 5.2 5.2 11.3 7.9 7.8 7.5 Misnesota 5.4 2.6 6.7 0.3 0.0 3.0 Mississippi 5.8 6.0 5.5 4.7 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nebraska 0.2 5.0 6.2 2.3 7.7 4.3 Nevada 3.9 5.4 5.3 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.0 0.4 0.4 0.0 0.2 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Jersey 12.5 12.2 12.3 16.6 12.0 13.1 North Carolina 19.3 16.3 <t< td=""><td>Maine</td><td>0.0</td><td></td><td>0.0</td><td></td><td></td><td>0.1</td></t<> | Maine | 0.0 | | 0.0 | | | 0.1 |
| Michigan 5.2 5.2 11.3 7.9 7.8 7.5 Minnesota 5.4 2.6 6.7 0.3 0.0 3.0 Mississippi 5.8 6.0 5.5 4.7 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nevada 0.2 5.0 6.2 2.3 7.7 4.3 Nevada 3.9 5.4 5.3 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.4 0.4 0.0 0.2 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Mexico 4.6 12.7 3.7 5.4 3.7 6.0 New York 12.5 12.2 12.3 16.6 12.0 13.1 North Dakota 5.1 0.0 0.0 0.0 0.0 | Maryland | 4.8 | | 5.4 | 4.0 | 3.9 | 4.5 |
| Minnesota 5.4 2.6 6.7 0.3 0.0 3.0 Mississippi 5.8 6.0 5.5 4.7 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 0.1 1.1 1.1 1.6 Nebraska 0.2 5.0 6.2 2.3 7.7 4.3 Nevada 3.9 5.4 5.3 1.6 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.4 0.4 0.0 0.2 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Mexico 4.6 12.7 3.7 5.4 3.7 6.0 New York 12.5 12.2 12.2 12.3 16.6 12.0 13.1 North Carolina 19.3 16.3 14.3 6.7 5.5 12.4 North Dakota 5.1 | Massachusetts | 2.3 | 1.8 | | | 1.1 | |
| Mississippi 5.8 6.0 5.5 4.7 4.7 5.3 Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nebraska 0.2 5.0 6.2 2.3 7.7 4.3 Nevada 3.9 5.4 5.3 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.4 0.4 0.0 0.2 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Mexico 4.6 12.7 3.7 5.4 3.7 6.0 New York 12.5 12.2 12.3 16.6 12.0 13.1 North Carolina 19.3 16.3 14.3 6.7 5.5 12.4 North Dakota 5.1 0.0 0.0 0.0 0.0 0.0 1.0 Oklahoma 11.1 6.8 6.8 < | Michigan | | | | | | |
| Missouri 1.5 3.5 3.8 3.4 4.1 3.3 Montana 4.2 0.9 0.9 1.1 1.1 1.6 Nebraska 0.2 5.0 6.2 2.3 7.7 4.3 Nevada 3.9 5.4 5.3 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.4 0.4 0.0 0.2 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Mexico 4.6 12.7 3.7 5.4 3.7 6.0 New York 12.5 12.2 12.3 16.6 12.0 13.1 North Carolina 19.3 16.3 14.3 6.7 5.5 12.4 North Dakota 5.1 0.0 0.0 0.0 0.0 1.0 Ohio 1.2 0.6 0.3 1.1 0.6 0.8 Oregon 0.5 0.1 43.1 0.1 0.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
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| Nevada 3.9 5.4 5.3 1.6 1.6 3.6 New Hampshire 0.0 0.0 0.4 0.4 0.0 0.2 New Jersey 12.9 32.7 32.7 7.1 6.6 18.4 New Mexico 4.6 12.7 3.7 5.4 3.7 6.0 New York 12.5 12.2 12.3 16.6 12.0 13.1 North Carolina 19.3 16.3 14.3 6.7 5.5 12.4 North Dakota 5.1 0.0 0.0 0.0 0.0 0.0 1.0 Ohio 1.2 0.6 0.3 1.1 0.6 0.8 Oklahoma 11.1 6.8 6.8 7.1 7.1 7.8 Oregon 0.5 0.1 43.1 0.1 0.0 0.0 Pennsylvania 9.1 7.4 1.5 3.5 2.3 4.8 Rhode Island 5.0 0.0 1.5 | | | | | | | |
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| Ohio 1.2 0.6 0.3 1.1 0.6 0.8 Oklahoma 11.1 6.8 6.8 7.1 7.1 7.8 Oregon 0.5 0.1 43.1 0.1 0.0 8.8 Pennsylvania 9.1 7.4 1.5 3.5 2.3 4.8 Rhode Island 5.0 0.0 1.5 1.4 1.5 1.9 South Carolina 0.1 0.1 0.4 1.3 0.1 0.4 South Dakota 5.3 8.0 6.4 3.0 3.2 5.2 Tennessee 3.9 3.9 2.5 0.9 0.6 2.4 Texas 0.5 0.6 0.7 0.6 0.8 0.6 Utah 0.0 0.0 3.2 2.0 2.0 1.5 Vermont 0.0 0.0 0.0 2.8 2.2 1.0 Virginia 1.9 1.9 2.1 1.8 0.9 1.7< | | | | | | | |
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| Tennessee 3.9 3.9 2.5 0.9 0.6 2.4 Texas 0.5 0.6 0.7 0.6 0.8 0.6 Utah 0.0 0.0 0.0 3.2 2.0 2.0 1.5 Vermont 0.0 0.0 0.0 2.8 2.2 1.0 Virginia 1.9 1.9 2.1 1.8 0.9 1.7 Washington 10.0 8.9 1.4 1.4 1.4 4.6 West Virginia 7.6 1.8 1.6 5.3 5.3 4.3 Wisconsin 3.4 3.2 3.9 1.5 0.0 2.4 Wyoming 0.1 0.1 0.1 0.2 0.1 0.1 U.S. Average 5.3 5.2 5.6 3.8 3.4 4.6 Washington's Rank 41 40 18 20 23 32 | | | | | | | |
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| Vermont 0.0 0.0 0.0 2.8 2.2 1.0 Virginia 1.9 1.9 2.1 1.8 0.9 1.7 Washington 10.0 8.9 1.4 1.4 1.4 4.6 West Virginia 7.6 1.8 1.6 5.3 5.3 4.3 Wisconsin 3.4 3.2 3.9 1.5 0.0 2.4 Wyoming 0.1 0.1 0.1 0.2 0.1 0.1 U.S. Average 5.3 5.2 5.6 3.8 3.4 4.6 Washington's Rank 41 40 18 20 23 32 | | | | | | | |
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| West Virginia 7.6 1.8 1.6 5.3 5.3 4.3 Wisconsin 3.4 3.2 3.9 1.5 0.0 2.4 Wyoming 0.1 0.1 0.1 0.2 0.1 0.1 U.S. Average 5.3 5.2 5.6 3.8 3.4 4.6 Washington's Rank 41 40 18 20 23 32 | | | | | | | |
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| Wyoming 0.1 0.1 0.1 0.2 0.1 0.1 U.S. Average 5.3 5.2 5.6 3.8 3.4 4.6 Washington's Rank 41 40 18 20 23 32 | e | | | | | | |
| U.S. Average 5.3 5.2 5.6 3.8 3.4 4.6 Washington's Rank 41 40 18 20 23 32 | | | | | | | |
| Washington's Rank 41 40 18 20 23 32 | - | | | | | | |
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^{*}The FHWA has recently found that between 1993 and 2000, the state of Hawaii did not use the International Roughness Index as an indicator of pavement conditions and instead used a system of measurement not up to FHWA standards. Their source was also unable to be verified and as a result, the FHWA has recalled the figures for Hawaii between 1993 and 2000. **Illinois has chosen to withhold their 1998 figures.

Source: Highway Statistics, 1993-2000. Table Hm-64, Federal Highway Administration. (www.fhwa.dot.gov)

Urban Roadway Congestion Index

The Urban Roadway Congestion Index (RCI) is a traffic density indicator calculated as a ratio of daily traffic volume to the optimum volume for a given road system. The index is calculated by the Texas Department of Transportation. It includes a sample of 50 urban areas selected to represent those areas with populations greater than 800,000 or those with a significant amount of congestion. Ultimately, the RCI measures both the intensity and duration of congestion. An RCI greater than or equal to 1 indicates that congestion exists throughout the area.

The costs of congestion result in economic inefficiency as travelers waste fuel and incur the opportunity cost of extra travel time. In 1982, the average annual delay per person was only 16 hours but this has increased to 62 hours in 2000. The congestion "bill" for the selected areas of the study totaled \$67.5 billion in 2000, which was the value of 3.6 billion hours of delay and 5.7 billion gallons of excess fuel consumed. Furthermore, the RCI average for 2000 was 1.13; the highest average since the index was first calculated.

In 2000, the Seattle-Everett region had an RCI of 1.27, down from its 1999 RCI of 1.30. The region has consistently ranked as the 5th or 6th most congested since 1992, however in 2000 it ranked 16th. For the period from 1996-2000, the region's average RCI of 1.25 ranked as the 7th most congested of the urban areas reported in this publication.

Chart 35 Urban Roadway Congestion Index

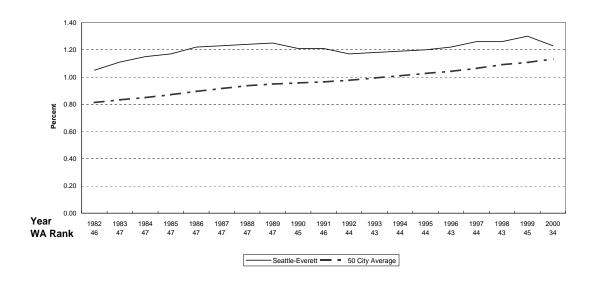


Table 35
Infrastructure
Urban Roadway Congestion Index
(Values greater than 1 indicate congestion)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 1996-00 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Albuquerque NM | 1.01 | 1.05 | 1.12 | 1.13 | 1.09 | 1.08 |
| Atlanta GA | 1.17 | 1.23 | 1.28 | 1.27 | 1.32 | 1.25 |
| Austin TX | 0.96 | 1.03 | 1.04 | 1.06 | 1.11 | 1.04 |
| Baltimore MD | 1.04 | 1.05 | 1.06 | 1.07 | 1.10 | 1.06 |
| Boston MA | 1.22 | 1.24 | 1.27 | 1.28 | 1.30 | 1.26 |
| Charlotte NC | 0.97 | 1.04 | 1.09 | 1.14 | 1.15 | 1.08 |
| Chicago IL-Northwestern IN | 1.26 | 1.28 | 1.31 | 1.31 | 1.31 | 1.29 |
| Cincinnati OH-KY | 1.02 | 1.08 | 1.11 | 1.12 | 1.13 | 1.09 |
| Cleveland OH | 0.99 | 1.01 | 0.98 | 0.99 | 0.97 | 0.99 |
| Columbus OH | 1.00 | 1.04 | 1.05 | 1.05 | 1.02 | 1.03 |
| Corpus Christi TX | 0.67 | 0.72 | 0.70 | 0.71 | 1.10 | 0.78 |
| Dallas-Ft. Worth TX | 0.98 | 1.01 | 1.07 | 1.07 | 1.10 | 1.05 |
| Denver CO | 1.07 | 1.08 | 1.18 | 1.20 | 1.23 | 1.15 |
| Detroit MI | 1.15 | 1.18 | 1.18 | 1.20 | 1.22 | 1.19 |
| El Paso TX-NM | 0.83 | 0.86 | 0.91 | 0.94 | 0.98 | 0.90 |
| Ft. Lauderdale-Hllywd-Pompano Beach FL | 1.04 | 1.08 | 1.12 | 1.17 | 1.23 | 1.13 |
| Hartford-Middletown CT | 0.88 | 0.90 | 0.91 | 0.94 | 0.97 | 0.92 |
| Honolulu HI | 1.07 | 1.06 | 1.06 | 1.06 | 1.04 | 1.06 |
| Houston TX | 1.02 | 1.07 | 1.10 | 1.10 | 1.09 | 1.08 |
| Indianapolis IN | 1.02 | 1.05 | 1.12 | 1.11 | 1.13 | 1.08 |
| Jacksonville FL | 0.92 | 0.93 | 1.01 | 1.00 | 1.02 | 0.98 |
| Kansas City MO-KS | 0.75 | 0.76 | 0.77 | 0.79 | 0.81 | 0.78 |
| Los Angeles CA | 1.54 | 1.51 | 1.58 | 1.58 | 1.59 | 1.56 |
| Louisville KY | 1.02 | 1.04 | 1.08 | 1.09 | 1.09 | 1.06 |
| Memphis TN-AR-MS | 0.95 | 0.96 | 0.99 | 0.98 | 1.00 | 0.98 |
| Miami-Hialeah FL | 1.22 | 1.26 | 1.22 | 1.23 | 1.28 | 1.24 |
| Milwaukee WI | 1.01 | 1.01 | 1.02 | 1.05 | 1.28 | 1.03 |
| Minn-St. Paul MN | 1.01 | 1.01 | 1.02 | 1.03 | 1.08 | 1.03 |
| Nashville TN | 0.92 | 0.96 | 0.97 | 1.01 | 0.98 | 0.97 |
| New Orleans LA | 0.92 | 0.99 | 1.00 | 0.99 | 0.98 | 0.97 |
| New York NY-Northeastern NJ | 1.06 | 1.11 | 1.00 | 1.15 | 1.16 | 1.12 |
| Norfolk VA | 0.97 | 0.97 | 0.96 | 0.97 | 0.96 | 0.97 |
| Oklahoma City OK | 0.84 | 0.85 | 0.86 | 0.88 | 0.30 | 0.86 |
| Orlando FL | 0.84 | 0.83 | 1.05 | 1.05 | 1.11 | 1.00 |
| Philadelphia PA-NJ | 1.03 | 1.05 | 1.05 | 1.05 | 1.11 | 1.06 |
| Phoenix AZ | 1.03 | 1.03 | 1.05 | 1.00 | 1.10 | 1.18 |
| Pittsburgh PA | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.77 |
| Portland-Vancouver OR-WA | 1.20 | 1.22 | 1.22 | 1.24 | 1.27 | 1.23 |
| Sacramento CA | 1.20 | 1.22 | 1.22 | 1.24 | 1.27 | 1.23 |
| Salt Lake City UT | 1.15 | 1.14 | 1.18 | 1.00 | 0.97 | 1.18 |
| San Antonio TX | 0.89 | 0.92 | 0.96 | 1.00 | 1.05 | 0.97 |
| San Bernardino-Riv CA | 1.17 | | 1.20 | 1.02 | 1.03 | 1.20 |
| | 1.17 | 1.15 1.12 | 1.20 | 1.24 | 1.20 | 1.20 |
| San Diego CA San Fran-Oak CA | 1.14 | 1.12 | 1.19 | 1.23 | 1.32 | 1.20 |
| | | | | | | |
| San Jose CA Seattle-Everett WA | 1.08 1.22 | 1.08 1.26 | 1.13 1.26 | 1.19 1.30 | 1.34 1.23 | 1.16 1.25 |
| | | | | | | |
| St. Louis MO-II | 1.01 1.09 | 1.03 1.07 | 1.01 1.08 | 1.03 1.10 | 1.03 1.13 | 1.02 1.09 |
| Tampa FL Washington DC MD VA | | | | | | |
| Washington DC-MD-VA 49 City Average | 1.32 1.04 | 1.33 1.06 | 1.35 1.09 | 1.34 1.11 | 1.35 1.13 | 1.34 1.09 |
| +5 City Average | 1.04 | 1.00 | 1.09 | 1.11 | 1.13 | 1.09 |
| Washington's Rank | 43 | 44 | 43 | 45 | 34 | 43 |

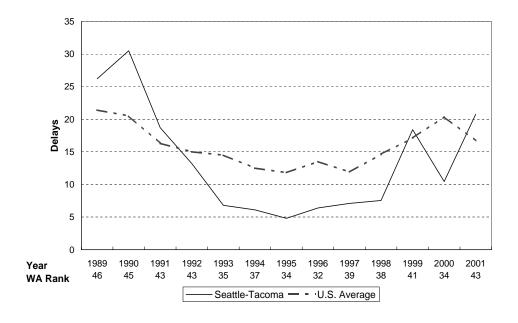
David Shrank and Tim Lomax, 2001 Urban Mobility Study, Texas Transportation Institute. (http://mobility.tamu.edu)

FAA Air Traffic Delays

The FAA's annual Air Traffic Activity and Delay Report provides air traffic information for the 55 largest airports. Air traffic delays can occur at any phase of the flight and are characterized as delays that exceed 15 minutes. For comparison purposes, the report states the number of delays per 1000 operations.

In 2001, the Seattle-Tacoma airport ranked 43rd among the 55 largest airports with 20.8 delays per 1000 operations, above the airports' average of 16.7 delays per 1000 operations. While the Seattle-Tacoma airport ranked 38th among the airports for the period 1997-2001, its average of 12.8 delays per 1000 operations for that period was below the average value for the airports, which was 16.1.

Chart 36 FAA Air Traffic Delays



| Table 36 | | | | | | |
|--|--------------|--------------|--------------|---------------|--------------|--------------|
| Infrastructure FAA Air Traffic Delays | | | | | | |
| Delays Per 1000 Operations | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-01 |
| Albuquerque | 0.5 | 0.5 | 0.4 | 0.7 | 0.1 | 0.4 |
| Anchorage | 0.3 | 0.8 | 1.2 | 0.7 | 1.2 | 0.9 |
| Andrews AFB | 1.7 | 1.4 | 1.9 | 1.3 | 1.2 | 1.5 |
| Atlanta Hartsfield | 31.8 | 33.1 | 36.0 | 30.9 | 24.3 | 31.2 |
| Baltimore-Washington | 1.8 | 2.6 | 5.2 | 6.9 | 5.1 | 4.3 |
| Boston Logan | 25.1 1.2 | 31.8 1.2 | 29.8 2.0 | 47.5 3.0 | 34.5 3.8 | 33.7 2.3 |
| Bradley International Charlotte Douglas | 5.7 | 3.6 | 2.0 | 6.0 | 5.2 | 4.7 |
| Chicago Midway | 3.4 | 5.1 | 9.7 | 11.9 | 8.1 | 7.6 |
| Chicago O'Hare | 23.5 | 32.1 | 54.8 | 63.3 | 59.5 | 46.6 |
| Cincinnati Tower | 11.9 | 15.4 | 17.6 | 15.4 | 10.2 | 14.1 |
| Cleveland Hopkins | 5.7 | 6.3 | 10.9 | 11.4 | 6.4 | 8.1 |
| Dallas/Ft. Worth | 14.6 | 11.5 | 19.3 | 23.8 | 22.0 | 18.2 |
| Dayton Cox | 0.3 | 1.3 | 1.5 | 1.1 | 1.5 | 1.1 |
| Denver Stapleton | 2.9 | 1.7 | 2.5 | 2.2 | 3.7 | 2.6 |
| Detroit Metro | 8.3 | 9.4 | 20.6 | 17.6 | 15.5 | 14.3 |
| Fairbanks | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 |
| Ft. Lauderdale | 2.0 | 2.1 | 2.7 | 3.7 | 5.3 | 3.2 |
| Honolulu Houston Hobby | 0.3 3.3 | 0.1 3.4 | 0.1 4.4 | 0.0 2.5 | 0.1 4.3 | 0.1 3.6 |
| Houston Hobby Houston Intercontinental | 3.3 12.9 | 22.2 | 20.6 | 28.1 | 33.0 | 23.4 |
| Indianapolis | 1.9 | 0.4 | 0.7 | 0.9 | 0.6 | 0.9 |
| Kahului/Maui | 0.1 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| Kansas City | 1.4 | 0.9 | 1.1 | 1.1 | 1.0 | 1.1 |
| Las Vegas McCarran | 4.1 | 6.3 | 7.1 | 8.0 | 5.4 | 6.2 |
| Los Angeles | 17.7 | 9.7 | 13.7 | 21.9 | 22.6 | 17.1 |
| Memphis | 1.4 | 0.8 | 0.8 | 0.4 | 0.9 | 0.9 |
| Miami | 6.8 | 6.3 | 8.2 | 11.3 | 11.3 | 8.8 |
| Minneapolis-St. Paul | 6.6 | 7.2 | 17.2 | 12.7 | 14.5 | 11.7 |
| Nashville | 0.4 | 0.6 | 0.6 | 0.6 | 0.3 | 0.5 |
| New Orleans Moisant | 0.6 | 0.6 | 1.1 | 0.8 | 0.9 | 0.8 |
| New York Kennedy | 18.3 49.0 | 36.3 68.4 | 38.1 77.3 | 38.8 155.9 | 24.6 77.0 | 31.2 85.5 |
| New York La Guardia Newark | 57.8 | 68.4 69.1 | 77.3 78.9 | 81.2 | 60.3 | 83.3 69.5 |
| Ontario | 1.8 | 1.2 | 0.7 | 1.2 | 1.8 | 1.4 |
| Orlando | 4.2 | 5.9 | 6.3 | 6.3 | 4.0 | 5.3 |
| Palm Beach | 0.6 | 0.5 | 0.5 | 2.1 | 2.0 | 1.1 |
| Philadelphia | 16.2 | 24.6 | 30.2 | 44.5 | 40.5 | 31.2 |
| Phoenix Sky Harbor | 9.1 | 19.9 | 21.1 | 21.9 | 15.3 | 17.5 |
| Pittsburgh | 2.8 | 3.6 | 2.1 | 3.8 | 2.7 | 3.0 |
| Portland | 3.0 | 1.1 | 1.5 | 0.5 | 0.3 | 1.3 |
| Raleigh-Durham | 0.7 | 0.6 | 1.3 | 2.1 | 1.5 | 1.2 |
| Salt Lake City | 2.6 | 2.8 | 1.9 | 2.0 | 2.3 | 2.3 |
| San Antonio | 0.7 | 0.7 | 1.2 | 0.8 | 0.3 | 0.7 |
| San Diego Lindbergh | 2.2 | 4.1 | 3.8 | 2.5 | 4.9 | 3.5 |
| San Francisco | 43.0 | 65.7 | 48.1 | 56.9 | 38.3 | 50.4 |
| San Jose San Juan | 0.5 3.0 | 1.6 2.0 | 2.2 0.6 | 5.7 0.2 | 6.3 0.8 | 3.3 1.3 |
| Seattle-Tacoma | 7.1 | 7.5 | 18.4 | 10.4 | 20.8 | 1.3 12.8 |
| St. Louis Lambert | 30.4 | 31.7 | 19.2 | 18.2 | 18.1 | 23.5 |
| Tampa | 3.0 | 3.7 | 2.3 | 1.6 | 2.8 | 2.7 |
| Teterboro | 12.5 | 21.3 | 17.5 | 19.0 | 25.3 | 19.1 |
| Washington Dulles | 5.9 | 12.1 | 19.1 | 19.4 | 8.0 | 12.9 |
| Washington National | 4.3 | 5.9 | 6.6 | 8.0 | 10.6 | 7.1 |
| Westchester Co. | 1.9 | 3.0 | 2.5 | 3.5 | 8.6 | 3.9 |
| U.S. Major Airport Avg. | 11.9 | 14.6 | 17.1 | 20.4 | 16.7 | 16.1 |
| Seattle-Tacoma Rank* | 39 | 38 | 41 | 34 | 43 | 38 |

* Out of the 55 largest airports Source: FAA Air Traffic System Management, Air Traffic Activity and Delay Report. December 1990-2001.

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Cost of Doing Business

State and Local Tax Collections Per \$1000 Personal Income

The relative tax position of Washington is of considerable interest to taxpayers and government officials alike. The Census Bureau of the U.S. Department of Commerce annually collects data in order to compare tax burdens across states. Using this figure, tax burdens are then calculated using several different methods; this report compares tax collections per \$1000 personal income. This measure is computed by dividing the total state and local taxes by total state personal income.

In fiscal year 1999, Washington's state and local tax burden amounted to \$111.25 for each \$1,000 of personal income. This is the fourth year of continuous decline in the Washington's state and local tax burden relative to personal income, bringing this benchmark to its lowest level in over a decade. In 1999, Washington's tax burden ranked 31st among the states and was just 77 cents above the national average of \$110.48 per \$1,000 of personal income.

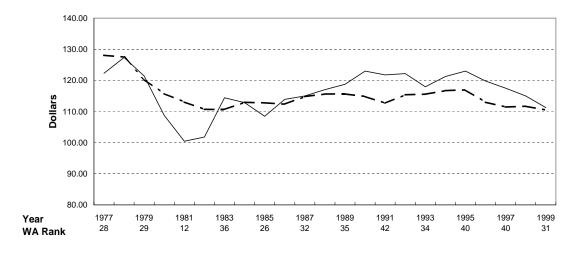
The decrease in Washington's state and local tax burdens is expected to continue with the elimination of the motor vehicle excise tax (MVET), effective January 1, 2000. The impact of this tax cut will reflect in the tax burden data of the second half of fiscal year 2000.

Initial Incidence of State and local Taxes

The "initial incidence" of a tax refers to the party from whom the tax is collected. Initial incidence does not always indicate who actually bears the tax burden, because taxes initially paid by business may sometimes be recovered in the form of higher prices or lower wages, shifting the tax burden to consumers or workers.

The Washington Department of Revenue estimates that in fiscal year 2000, businesses directly paid 45% of major state and local taxes, governments paid 4% and households paid 51%.

Chart 37
State and Local Tax Collections per \$1,000 Personal Income



— Washington State — • U.S. Average

Table 37
Cost of Doing Business
State and Local Tax Collections Per \$1,000 Personal Income
(Dollars)

| (Donars) | 1995 | 1996 | 1997 | 1998 | 1999 | 1995-99 |
|--------------------------|------------------|------------------------|--------------------------|-------------------------|-------------------------|--------------------------|
| Alabama | 96.34 | 93.55 | 91.24 | 91.33 | 91.11 | 92.71 |
| Alaska | 189.92 | 158.85 | 153.00 | 122,29 | 102.62 | 145.34 |
| Arizona | 123.84 | 117.59 | 108,83 | 106.77 | 108.65 | 113.14 |
| Arkansas | 106.27 | 107.89 | 105.14 | 106.51 | 112.62 | 107.69 |
| California | 115.56 | 113.38 | 111.42 | 114.50 | 113.58 | 113.69 |
| Colorado | 107.13 | 102.97 | 100.99 | 100.87 | 102.24 | 102.84 |
| Connecticut | 126.95 | 120.54 | 125.64 | 124.52 | 121.48 | 123.83 |
| Delaware | 119.26 | 108.60 | 111.30 | 118.84 | 112.34 | 114.07 |
| Florida | 105.62 | 102.73 | 100.34 | 100.50 | 100.24 | 101.89 |
| Georgia | 111.91 | 110.56 | 105.07 | 106.15 | 107.74 | 108.29 |
| Hawaii | 128.10 | 131.63 | 126.63 | 125.89 | 123.01 | 127.05 |
| Idaho | 115.00 | 115.58 | 112.48 | 113.76 | 112.63 | 113.89 |
| Illinois | 111.67 | 109.44 | 106.07 | 104.66 | 104.95 | 107.36 |
| Indiana | 109.59 | 104.35 | 110.80 | 105.75 | 104.70 | 107.04 |
| Iowa | 122.75 | 117.45 | 111,22 | 109.80 | 107.95 | 113.83 |
| Kansas | 114.61 | 113.74 | 112.57 | 115.74 | 107.59 | 112.85 |
| Kentucky | 119.36 | 115.63 | 113.73 | 112.84 | 110.99 | 114.51 |
| Louisiana | 105.03 | 102.71 | 109.58 | 109.02 | 108.02 | 106.87 |
| Maine | 126.67 | 129.48 | 134.47 | 144.46 | 139.08 | 134.83 |
| Maryland | 111.79 | 106.43 | 105.38 | 107.86 | 104.63 | 107.22 |
| Massachusetts | 117.00 | 112.37 | 111.63 | 113.28 | 108.53 | 112.56 |
| Michigan | 111.28 | 108.72 | 111.79 | 112.75 | 113.60 | 111.63 |
| Minnesota | 135.88 | 131.86 | 128.86 | 127.69 | 123,26 | 129.51 |
| Mississippi | 113.65 | 114.30 | 109.65 | 109.73 | 110.54 | 111.57 |
| Missouri | 105.37 | 100.62 | 101.58 | 101.57 | 101.56 | 102.14 |
| Montana | 116.19 | 111.02 | 113.65 | 113.78 | 108.85 | 112.70 |
| Nebraska | 116.14 | 118.92 | 113.39 | 112,36 | 107.66 | 113.69 |
| Nevada | 113.18 | 114.31 | 105.41 | 100,82 | 101.79 | 107.10 |
| New Hampshire | 96.68 | 89.13 | 91.03 | 88.39 | 88.37 | 90.72 |
| New Jersey | 119.02 | 115.74 | 111.10 | 115.10 | 113.68 | 114.93 |
| New Mexico | 128.51 | 126.36 | 127.72 | 131.39 | 121.73 | 127.14 |
| New York | 152.55 | 144.42 | 142.13 | 141.92 | 140.34 | 144.27 |
| North Carolina | 114.87 | 108.58 | 105.83 | 107.40 | 105.52 | 108.44 |
| North Dakota | 117.81 | 120.65 | 116.05 | 122.02 | 114.89 | 118.28 |
| Ohio | 115.69 | 111.38 | 110.03 | 110.35 | 109.86 | 111.46 |
| Oklahoma | 110.61 | 107.69 | 107.50 | 107.17 | 104.78 | 107.55 |
| Oregon | 114.82 | 106.65 | 106.75 | 100.96 | 100.19 | 105.87 |
| Pennsylvania | 111.77 | 106.47 | 106.62 | 107.27 | 107.18 | 107.86 |
| Rhode Island | 120.39 | 114.85 | 117.49 | 117.15 | 115.56 | 117.09 |
| South Carolina | 108.78 | 105.01 | 102.28 | 103.50 | 104.75 | 104.86 |
| South Dakota | 98.58 | 100.80 | 92.15 | 97.80 | 95.06 | 96.88 |
| Tennessee | 93.51 | 90.36 | 89.08 | 90.01 | 87.99 | 90.19 |
| Texas | 106.76 | 102.51 | 101.61 | 98.71 | 96.79 | 101.28 |
| Utah | 122.60 | 120.68 | 115.91 | 118.15 125.08 | 116.78 | 118.82 |
| Vermont | 123.82 | 122.25 | 123.74 | | 121.82 | 123.34 |
| Virginia Washington | 103.58 | 98.48 119.79 | 99,03 117.49 | 100.81 115.00 | 101.64 | 100.71 117.31 |
| Washington West Virginia | 123.00 | 119.79 | 117 .49 114.07 | 112.30 | 111.25 116.65 | 117 .31 114.08 |
| West Virginia Wisconsin | 114.74 136.66 | 133.33 | 114.07 | 112.30 | 110.03 | 130.88 |
| Wyoming | 116.70 | 133.33 | 116.93 | 129.10 | 127.08 | 130.88 |
| U.S. Average | 116.70 | 117.28 | 111.43 | 111.70 | 110.48 | 117.27 |
| Washington's Rank | 40 | 39 | 40 | 34 | 31 | 39 |
| ,, asim Ston s Manix | 70 | 3) | 70 | 34 | 31 | 3) |

Source: Washington State Department of Revenue. Comparative State/Local Taxes, 1977-1999. (www.dor.wa.gov)

Unemployment Insurance Costs

Unemployment insurance programs are designed to provide economic security against the effects of unemployment. Unemployment insurance provides temporary compensation to most workers who are out of work due to no fault of their own.

Unemployment insurance is provided by a combined Federal-State system, primarily financed through a payroll tax on employers. Under this system, the Federal Government sets minimum standards of eligibility and benefits that the states are free to exceed. As a result, there is a wide degree of variation in the eligibility for and benefits paid under the unemployment insurance programs of different states, as well as variation in the number of employers that pay into the programs.

In 2001, Washington had the third highest unemployment insurance cost as a percent of total wages in the country with an average rate of 1.17 percent. The national average rate for the same year was 0.51 percent. Washington, however, has one of the most generous unemployment insurance programs in the country in terms of benefits, eligibility, and duration. While the increased benefits come at a cost, they provide increased security to workers and help insulate local economies from large swings in income and spending when layoffs occur in localized industries. The optimum level of benefits relative to the costs of providing them is a subject of continuous debate.

Chart 38 Unemployment Insurance Costs

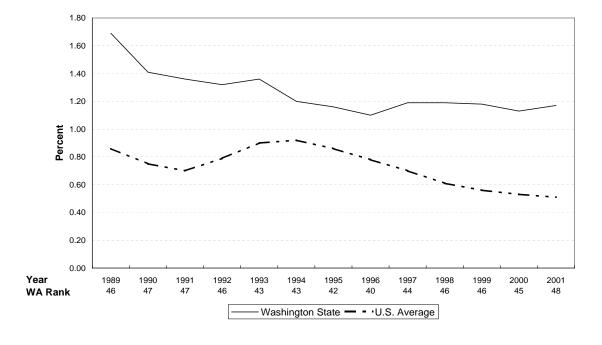


Table 38
Cost of Doing Business
Unemployment Insurance Costs
(Contributions collected as percent of total wages)

| (Contributions conceted a | 1997 | 1998 | 1 999 | 2000 | 2001 | 1997-2001 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Alabama | 0.34 | 0.45 | 0.36 | 0.34 | 0.39 | 0.38 |
| Alaska | 1.88 | 1.63 | 1.59 | 1.75 | 1.64 | 1.70 |
| Arizona | 0.47 | 0.38 | 0.31 | 0.29 | 0.23 | 0.34 |
| Arkansas | 0.83 | 0.81 | 0.76 | 0.72 | 0.65 | 0.75 |
| California | 0.68 | 0.67 | 0.57 | 0.53 | 0.53 | 0.60 |
| Colorado | 0.38 | 0.33 | 0.32 | 0.27 | 0.26 | 0.31 |
| Connecticut | 1.19 | 1.10 | 0.62 | 0.49 | 0.43 | 0.77 |
| Delaware | 0.68 | 0.56 | 0.55 | 0.48 | 0.41 | 0.54 |
| Florida | 0.45 | 0.32 | 0.36 | 0.22 | 0.30 | 0.33 |
| Georgia | 0.37 | 0.30 | 0.14 | 0.14 | 0.14 | 0.22 |
| Hawaii | 1.33 | 1.25 | 1.21 | 1.15 | 0.79 | 1.15 |
| Idaho | 0.92 | 0.77 | 0.77 | 0.76 | 0.80 | 0.80 |
| Illinois | 0.73 | 0.68 | 0.64 | 0.57 | 0.52 | 0.63 |
| Indiana | 0.39 | 0.32 | 0.38 | 0.37 | 0.27 | 0.35 |
| Iowa | 0.50 | 0.50 | 0.51 | 0.64 | 0.64 | 0.56 |
| Kansas | 0.13 | 0.13 | 0.13 | 0.43 | 0.49 | 0.26 |
| Kentucky | 0.72 | 0.68 | 0.59 | 0.59 | 0.50 | 0.62 |
| Louisiana | 0.54 | 0.48 | 0.43 | 0.38 | 0.42 | 0.45 |
| Maine | 1.03 | 1.13 | 1.10 | 1.15 | 1.17 | 1.12 |
| Maryland | 0.54 | 0.48 | 0.46 | 0.40 | 0.36 | 0.45 |
| Massachusetts | 1.30 | 0.94 | 0.72 | 0.68 | 0.66 | 0.86 |
| Michigan | 0.97 | 0.80 | 0.75 | 0.73 | 0.71 | 0.79 |
| Minnesota | 0.61 | 0.55 | 0.51 | 0.46 | 0.43 | 0.51 |
| Mississippi | 0.43 | 0.50 | 0.57 | 0.50 | 0.42 | 0.48 |
| Missouri | 0.61 | 0.55 | 0.41 | 0.34 | 0.34 | 0.45 |
| Montana | 0.86 | 0.86 | 0.87 | 0.70 | 0.71 | 0.80 |
| Nebraska | 0.34 0.84 | 0.14 | 0.18 | 0.23 0.76 | 0.28 0.76 | 0.23 |
| Nevada New Hampshire | 0.84 | 0.81 0.20 | 0.82 0.20 | 0.76 | 0.76 | 0.80 0.20 |
| | 1.15 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| New Jersey New Mexico | 0.74 | 0.92 | 0.60 | 0.60 | 0.46 | 0.94 |
| New York | 0.74 | 0.73 | 0.59 | 0.65 | 0.40 | 0.66 |
| North Carolina | 0.31 | 0.35 | 0.35 | 0.03 | 0.37 | 0.32 |
| North Dakota | 0.46 | 0.59 | 0.61 | 0.28 | 0.51 | 0.61 |
| Ohio | 0.54 | 0.51 | 0.47 | 0.44 | 0.42 | 0.48 |
| Oklahoma | 0.32 | 0.17 | 0.19 | 0.15 | 0.17 | 0.20 |
| Oregon | 1.23 | 1.24 | 1.26 | 1.21 | 1.06 | 1.20 |
| Pennsylvania | 1.13 | 1.07 | 1.01 | 0.96 | 0.92 | 1.02 |
| Rhode Island | 2.00 | 1.85 | 1.47 | 1.24 | 1.14 | 1.54 |
| South Carolina | 0.60 | 0.42 | 0.42 | 0.41 | 0.39 | 0.45 |
| South Dakota | 0.21 | 0.21 | 0.20 | 0.20 | 0.19 | 0.20 |
| Tennessee | 0.46 | 0.46 | 0.42 | 0.42 | 0.40 | 0.43 |
| Texas | 0.47 | 0.43 | 0.37 | 0.37 | 0.33 | 0.39 |
| Utah | 0.42 | 0.36 | 0.34 | 0.24 | 0.27 | 0.33 |
| Vermont | 0.89 | 0.85 | 0.82 | 0.75 | 0.61 | 0.78 |
| Virginia | 0.26 | 0.17 | 0.16 | 0.15 | 0.15 | 0.18 |
| Washington | 1.19 | 1.19 | 1.18 | 1.13 | 1.17 | 1.17 |
| West Virginia | 1.03 | 1.01 | 0.98 | 0.97 | 0.94 | 0.99 |
| Wisconsin | 0.74 | 0.68 | 0.67 | 0.65 | 0.63 | 0.67 |
| Wyoming | 0.75 | 0.74 | 0.70 | 0.65 | 0.58 | 0.68 |
| U.S. Average | 0.70 | 0.61 | 0.56 | 0.53 | 0.51 | 0.58 |
| Washington's Rank | 44 | 46 | 46 | 45 | 48 | 47 |

Source: U.S. Department of Labor, Employment and Training Administration

Workers' Compensation Premium Costs

(Updated data not released in time for publication)

The Oregon Department of Consumer & Business Services produces the workers' compensation premium index every two years in order to make a state-by-state comparison of workers' compensation premiums. The premium index is calculated by selecting Oregon's fifty largest business classes as defined by the workers' compensation costs and computing what those compensation claims would cost in other states.

In 2000, Washington's premium costs for the industries examined by the studies were \$1.77 per \$100 of payroll. This is the fifth consecutive decline in Washington's premium costs and a decline of \$2.15 since 1990, which is over 50 cents more than the nation's decline. Washington ranked 14th in 2000, a considerable improvement since its rank of 29th a decade earlier.

Washington's compensation system is atypical of other states' systems as employees pay a portion of their industrial premiums into a state fund and the Department of Labor and Industries acts as both the insurer and administrator of the workers' compensation system. When compared to the other states employing sole provider state models for workers' compensation activities, Washington ranked 2nd. Washington's results over the past decade suggest an effective and successful workers' compensation system.

Chart 39 Workers' Compensation Premium Cost Index

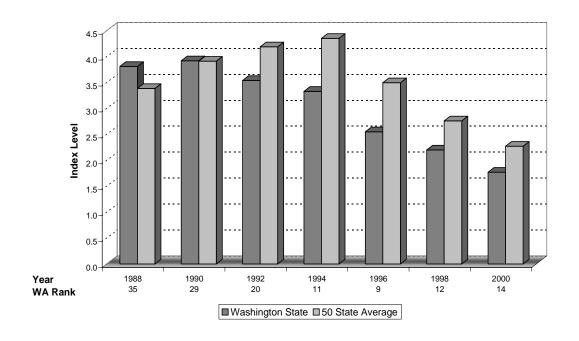


Table 39
Cost of Doing Business
Workers' Compensation Premium Costs
(Dollar amount per \$100 of payroll)

| (Donar amount per \$100 of | 1992 | 1994 | 1996 | 1998 | 2000 | 1992-00 |
|----------------------------|------|------|------|------|-------------|---------|
| Alabama | 5.04 | 4.78 | 3.64 | 3.70 | 2.56 | 3.94 |
| Alaska | 4.35 | 3.92 | 3.41 | 2.70 | 2.18 | 3.31 |
| Arizona | 4.34 | 4.18 | 3.38 | 2.60 | 1.77 | 3.25 |
| Arkansas | 4.04 | 3.69 | 3.04 | 2.29 | 1.68 | 2.95 |
| California | 5.96 | 5.04 | 4.11 | 4.86 | 3.34 | 4.66 |
| Colorado | 6.60 | 5.28 | 3.34 | 2.87 | 2.64 | 4.15 |
| Connecticut | 6.21 | 5.34 | 4.64 | 3.67 | 2.58 | 4.49 |
| Delaware | 3.35 | 3.18 | 3.54 | 3.20 | 2.58 | 3.17 |
| Florida | 6.22 | 5.72 | 5.26 | 4.28 | 4.08 | 5.11 |
| Georgia | 4.77 | 4.52 | 4.04 | 2.95 | 2.42 | 3.74 |
| Hawaii | 5.52 | 6.06 | 5.75 | 3.24 | 2.99 | 4.71 |
| Idaho | 3.90 | 3.88 | 3.00 | 2.48 | 2.11 | 3.07 |
| Illinois | 5.03 | 5.48 | 3.77 | 2.96 | 2.62 | 3.97 |
| Indiana | 2.29 | 2.26 | 1.71 | 1.55 | 1.32 | 1.83 |
| Iowa | 3.37 | 3.47 | 2.17 | 1.87 | 1.66 | 2.51 |
| Kansas | 3.10 | 3.49 | 2.64 | 1.82 | 1.56 | 2.52 |
| Kentucky | 4.04 | 5.46 | 3.77 | 2.58 | 2.32 | 3.63 |
| Louisiana | 4.96 | 6.98 | 5.47 | 4.06 | 3.36 | 4.97 |
| Maine | 5.05 | 5.87 | 3.91 | 2.69 | 2.52 | 4.01 |
| Maryland | 2.86 | 3.08 | 2.23 | 2.03 | 1.58 | 2.36 |
| Massachusetts | 5.40 | 4.98 | 3.71 | 3.10 | 1.77 | 3.79 |
| Michigan | 4.75 | 4.54 | 3.05 | 2.86 | 2.40 | 3.52 |
| Minnesota | 6.18 | 5.29 | 4.03 | 2.94 | 2.40 | 4.17 |
| Mississippi | 3.41 | 3.70 | 3.30 | 2.62 | 2.10 | 3.03 |
| Missouri | 3.63 | 4.35 | 3.45 | 2.65 | 2,26 | 3.27 |
| Montana | 6.34 | 6.91 | 4.71 | 3.50 | 2.75 | 4.84 |
| Nebraska | 2.92 | 3.31 | 2.04 | 1.62 | 1.62 | 2.30 |
| Nevada | 4.61 | 4.55 | 3.96 | 3.86 | 3.10 | 4.02 |
| New Hampshire | 4.40 | 4.73 | 4.13 | 3.32 | 2.47 | 3.81 |
| New Jersey | 3.13 | 3.58 | 3.20 | 2.49 | 2.19 | 2.92 |
| New Mexico | 4.63 | 5.75 | 3.55 | 2.43 | 1.66 | 3.60 |
| New York | 5.36 | 5.38 | 4.90 | 3.53 | 3.05 | 4.44 |
| North Carolina | 2.56 | 3.41 | 3.05 | 2.02 | 1.64 | 2.54 |
| North Dakota | 1.97 | 2.53 | 2.34 | 2.19 | 1.79 | 2.16 |
| Ohio | 3.83 | 4.42 | 4.12 | 3.12 | 2.89 | 3.68 |
| Oklahoma | 4.11 | 4.86 | 4.65 | 3.10 | 2.85 | 3.91 |
| Oregon | 4.41 | 3.70 | 3.15 | 2.27 | 1.93 | 3.09 |
| Pennsylvania | 4.60 | 5.02 | 4.37 | 2.69 | 2.31 | 3.80 |
| Rhode Island | 6.19 | 5.75 | 4.81 | 3.74 | 3.18 | 4.73 |
| South Carolina | 2.71 | 2.91 | 2.38 | 1.47 | 1.51 | 2.20 |
| South Dakota | 3.42 | 3.88 | 3.20 | 2.31 | 1.63 | 2.89 |
| Tennessee | 3.33 | 3.60 | 3.59 | 2.79 | 2.10 | 3.08 |
| Texas | 6.51 | 5.91 | 4.19 | 4.11 | 3.05 | 4.75 |
| Utah | 3.00 | 3.62 | 2.64 | 1.88 | 1.58 | 2.54 |
| Vermont | 3.11 | 4.21 | 3.60 | 2.41 | 1.98 | 3.06 |
| Virginia | 2.28 | 2.76 | 1.19 | 1.74 | 1.27 | 1.85 |
| Washington | 3.54 | 3.33 | 2.55 | 2.20 | 1.77 | 2.68 |
| West Virginia | 2.99 | 2.93 | 2.91 | 2.26 | 2.72 | 2.76 |
| Wisconsin | 3.02 | 3.17 | 2.34 | 2.36 | 2.01 | 2.58 |
| Wyoming | 2.12 | 2.84 | 2.85 | 2.05 | 1.75 | 2,32 |
| 50 State Average* | 4.19 | 4.35 | 3.50 | 2.76 | 2.27 | 3.41 |
| Washington's Rank | 20 | 11 | 9 | 12 | 14 | 13 |

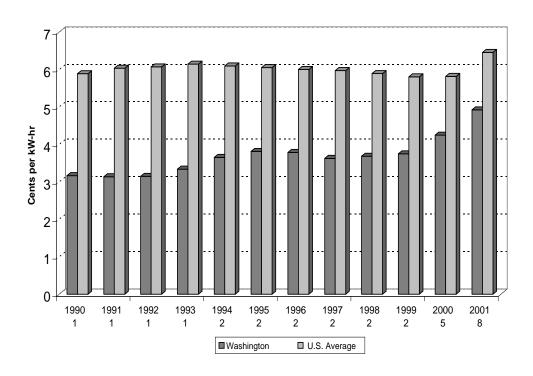
Source: Oregon Workers' Compensation Premium Rate Rankings, Calendar Year 1988, 1990, 1992, 1994, 1996, 1998, 2000. Research and Analysis Section of the Oregon Department of Consumer and Business Services.

Electricity Prices

While many industrial and commercial operations rely on energy sources other than electricity, electrical power represents the main energy cost for most businesses. This indicator presents the average price of the commercial and industrial electricity purchases made annually in each state, expressed in cents per Kilowatts hour (kW-hr). To facilitate comparisons between states, each state is assumed to have had the same ratio of commercial to industrial sales as the U.S. had in each of the years indicated.

Due to the state's abundant hydrological resources, Washington has long enjoyed some of the lowest electricity prices in the country, ranking either 1st or 2nd in electricity prices among the states in the years 1990 though 1999. Deregulation difficulties in California and drought conditions over the entire West Coast, however, caused electricity prices in several western states to increase relative to the rest of the country in late 2000 and early 2001. As a result, Washington's rank decreased to 5thth in 2000 and decreased further to 8th in 2001. In the period of 1997 through 2001, however, Washington's average price of 3.83 cents per kW-hr still ranked 3rd among the states and was well below the U.S. average of 5.87 cents. As these cost pressures have since lessened, Washington's electricity prices should ease relative to the other states' in future years.

Chart 40 Electricity Costs



Year

Wa Rank

Table 40 Cost of Doing Business Electricity Costs

(Weighted average of industrial and commercial rates, Cents per KiloWatt Hour)

| Alabama 4.95 5.17 5.14 5.28 5.27 5.14 Alaska 8.44 8.28 8.23 8.64 9.06 8.40 Arizona 6.36 6.39 6.24 6.17 6.36 6.29 Arkansas 5.55 5.00 4.95 5.07 5.39 5.14 Collorado 4.98 4.98 4.98 5.03 5.13 4.99 Comnecticut 8.95 8.81 8.52 8.28 8.44 8.64 Delaware 5.94 5.82 6.02 5.69 6.15 5.87 Florida 5.79 5.57 5.38 5.29 5.56 5.60 Georgia 5.54 5.57 5.38 5.29 5.56 5.44 Havarii 11.71 10.81 11.18 13.25 12.98 11.74 Idaho 3.34 3.53 3.45 3.69 4.44 3.50 Ildaho 3.23 3.53 3.45 <th></th> <th>1997</th> <th>1998</th> <th>1999</th> <th>2000</th> <th>2001</th> <th>1997-2001</th> | | 1997 | 1998 | 1999 | 2000 | 2001 | 1997-2001 |
|---|-------------|------|------|------|------|-------|-----------|
| Arizona 6,36 6,39 6,24 6,17 6,36 6,29 Arizonas 5,55 5,00 4,95 5,07 5,39 5,14 California 8,38 8,07 8,57 7,41 10,20 8,11 Colorado 4,98 4,98 4,98 8,503 5,13 4,99 Connecticut 8,95 8,81 8,52 8,28 8,54 8,64 Delaware 5,94 5,82 6,02 5,69 6,15 5,87 Florida 5,79 5,57 5,48 5,57 6,24 5,60 Georgia 5,54 5,57 5,38 5,29 5,56 5,44 Havaii 11,71 10,81 11,18 13,25 12,98 11,74 Hadaho 3,34 3,53 3,45 3,69 4,44 3,50 Illinois 6,54 6,39 6,17 5,67 6,06 6,19 Illinois 6,54 6,54 6,19 6,19 6,19 6,19 6,19 6,19 6,19 6,19 | Alabama | 4.95 | 5.17 | 5.14 | 5.28 | 5.27 | 5.14 |
| Arkansas 5.55 5.00 4.95 5.07 5.39 5.14 California 8.38 8.07 8.57 7.41 10.20 8.11 Colorado 4.98 4.98 4.98 5.03 5.13 4.99 Connecticut 8.95 8.81 8.82 8.28 8.54 8.64 Delaware 5.94 5.82 6.02 5.69 6.15 5.87 Florida 5.79 5.57 5.48 5.57 6.24 5.60 Georgia 5.54 5.57 5.38 5.29 5.56 5.44 Hawaii 11.71 10.81 11.18 13.25 12.98 11.74 Idaho 3.34 3.33 3.34 3.35 3.34 3.36 3.44 3.59 4.44 4.81 4.95 4.91 Idwa 5.21 5.28 5.14 5.22 5.51 5.21 Kansas 5.44 5.37 5.34 5.36 5.44 5.37< | Alaska | 8.44 | 8.28 | 8.23 | 8.64 | 9.06 | 8.40 |
| California 8.38 8.07 8.57 7.41 10.20 8.11 Colorado 4.98 4.98 4.98 5.03 5.13 4.99 Connecticut 8.95 8.81 8.52 8.28 8.54 8.64 Delaware 5.94 5.82 6.02 5.69 6.15 5.87 Florida 5.79 5.57 5.48 5.57 6.24 5.60 Georgia 5.54 5.57 5.38 5.29 5.56 5.44 Hawaii 11.71 10.81 11.18 13.25 12.98 11.74 Idaho 3.34 3.53 3.45 3.69 4.44 3.50 Ildiana 4.92 4.98 4.94 4.81 4.95 4.91 Indiana 4.92 4.98 4.94 4.81 4.95 4.91 Iowa 5.21 5.28 5.14 5.22 5.51 5.21 Kentucky 3.98 4.06 4.10 <td>Arizona</td> <td>6.36</td> <td>6.39</td> <td>6.24</td> <td></td> <td>6.36</td> <td>6.29</td> | Arizona | 6.36 | 6.39 | 6.24 | | 6.36 | 6.29 |
| Colorado 4.98 4.98 4.98 5.03 5.13 4.99 Connecticut 8.95 8.81 8.52 8.28 8.54 8.64 Delaware 5.94 5.82 6.02 5.69 6.15 5.87 Florida 5.79 5.57 5.38 5.29 5.56 5.44 Georgia 5.54 5.57 5.38 5.29 5.56 5.44 Hawaii 11.71 10.81 11.18 13.25 12.98 11.74 Idaho 3.34 3.53 3.45 3.69 4.44 3.50 Illinois 6.54 6.39 6.17 5.67 6.06 6.19 Indian 4.92 4.98 4.94 4.81 4.95 4.91 Ilowa 5.21 5.28 5.14 5.22 5.51 5.21 Kentucky 3.98 4.06 4.10 4.02 4.0 4.0 Louisiana 5.62 5.31 5.39 | Arkansas | | 5.00 | | 5.07 | 5.39 | 5.14 |
| Connecticut 8.95 8.81 8.52 8.28 8.54 8.64 Delaware 5.94 5.82 6.02 5.69 6.15 5.87 Horida 5.79 5.57 5.48 5.57 6.24 5.60 Georgia 5.54 5.57 5.38 5.29 5.56 5.44 Hawaii 11.71 10.81 11.18 13.25 12.98 11.74 Idaho 3.34 3.53 3.45 3.69 4.44 3.50 Illinois 6.54 6.39 6.17 5.67 6.06 6.19 Ilmidiana 4.92 4.98 4.94 4.81 4.95 4.91 Iowa 5.21 5.28 5.14 5.22 5.51 5.21 Kansas 5.44 5.37 5.34 5.56 5.44 5.37 Kentucky 3.98 4.06 4.10 4.02 4.10 4.04 Louisiana 5.62 5.31 5.39 | California | | 8.07 | 8.57 | | 10.20 | 8.11 |
| Delaware | | | 4.98 | 4.98 | 5.03 | 5.13 | 4.99 |
| Florida | Connecticut | | 8.81 | 8.52 | 8.28 | 8.54 | 8.64 |
| Georgia 5.54 5.57 5.38 5.29 5.56 5.44 Hawaii 11.71 10.81 11.18 13.25 12.98 11.74 Idaho 3.34 3.53 3.45 3.69 4.44 3.50 Illinois 6.54 6.39 6.17 5.67 6.06 6.19 Indiana 4.92 4.98 4.94 4.81 4.95 4.91 Iowa 5.21 5.28 5.14 5.22 5.51 5.21 Kansas 5.44 5.37 5.34 5.36 5.44 5.37 Kentucky 3.98 4.06 4.10 4.02 4.10 4.02 Louisiana 5.62 5.31 5.39 6.16 6.60 5.62 Mairine 8.26 8.40 8.41 8.47 9.26 8.39 Maryland 5.46 5.43 5.51 5.33 5.45 5.43 Maryland 5.46 5.43 5.51 | Delaware | | | | | | 5.87 |
| Hawaii | Florida | | | 5.48 | | | 5.60 |
| Idaho | Georgia | | | | | | |
| Illinois | | | | | | | |
| Indiana | | | 3.53 | 3.45 | 3.69 | 4.44 | 3.50 |
| Iowa | | | 6.39 | | | | 6.19 |
| Kansas 5.44 5.37 5.34 5.36 5.44 5.37 Kentucky 3.98 4.06 4.10 4.02 4.10 4.04 Louisiana 5.62 5.31 5.39 6.16 660 5.62 Maine 8.26 8.40 8.41 8.47 9.26 8.39 Maryland 5.46 5.43 5.51 5.33 5.45 5.43 Massachusetts 9.49 8.74 8.31 8.58 10.23 8.78 Michigan 6.33 6.37 6.42 6.48 6.51 6.40 Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Mississippi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Morbinana 4.67 4.48 | Indiana | | | | | | |
| Kentucky 3.98 4.06 4.10 4.02 4.10 4.04 Louisiana 5.62 5.31 5.39 6.16 6.60 5.62 Maine 8.26 8.40 8.41 8.47 9.26 8.39 Maryland 5.46 5.43 5.51 5.33 5.45 5.43 Massachusetts 9.49 8.74 8.31 8.58 10.23 8.78 Michigan 6.33 6.37 6.42 6.48 6.51 6.40 Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Montana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 | | | | | | | |
| Louisiana 5.62 5.31 5.39 6.16 6.60 5.62 Maine 8.26 8.40 8.41 8.47 9.26 8.39 Maryland 5.46 5.43 5.51 5.33 5.45 5.43 Missing 9.49 8.74 8.31 8.58 10.23 8.78 Michigan 6.33 6.37 6.42 6.48 6.51 6.40 Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Missispipi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Morisasippi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Morisasippi 5.33 5.8 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 | Kansas | | | | | | |
| Maine 8.26 8.40 8.41 8.47 9.26 8.39 Maryland 5.46 5.43 5.51 5.33 5.45 5.43 Massachusetts 9.49 8.74 8.31 8.58 10.23 8.78 Michigan 6.33 6.37 6.42 6.48 6.51 6.40 Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Mississippi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Mortana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Maryland 5.46 5.43 5.51 5.33 5.45 5.43 Massachusetts 9.49 8.74 8.31 8.58 10.23 8.78 Michigan 6.33 6.37 6.42 6.48 6.51 6.40 Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Mossouri 5.19 5.18 5.15 5.17 5.24 5.17 Morntana 4.67 4.48 4.45 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 <th< td=""><td>Louisiana</td><td></td><td>5.31</td><td></td><td>6.16</td><td></td><td></td></th<> | Louisiana | | 5.31 | | 6.16 | | |
| Massachusetts 9,49 8,74 8,31 8,58 10,23 8,78 Michigan 6,33 6,37 6,42 6,48 6,51 6,40 Minnesota 5,23 5,33 5,41 5,38 5,28 5,34 Mississippi 5,33 5,38 5,08 5,35 5,81 5,28 Mississippi 5,13 5,18 5,15 5,17 5,24 5,17 Montana 4,67 4,48 4,55 4,40 6,12 4,52 Nebraska 4,48 4,49 4,48 4,50 4,75 4,49 Nevada 5,34 5,50 5,69 5,80 7,50 5,58 New Jersey 9,17 80,89 8,69 7,67 8,82 8,63 New Jersey 9,17 80,88 8,69 7,67 8,82 8,63 New Jersey 9,17 8,08 8,69 7,67 8,82 8,63 New York 8,47 8,17 | | | | | | | |
| Michigan 6.33 6.37 6.42 6.48 6.51 6.40 Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Mississippi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Montana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 Nevadad 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New Mexico 6.07 6.08 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Minnesota 5.23 5.33 5.41 5.38 5.28 5.34 Mississippi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Montana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 Nevada 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.2 | | | | | | | |
| Mississippi 5.33 5.38 5.08 5.35 5.81 5.28 Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Montana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 Nevada 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Hexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.23 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 | | | | | | | |
| Missouri 5.19 5.18 5.15 5.17 5.24 5.17 Montana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 Nevada 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 | | | | | | | |
| Montana 4.67 4.48 4.55 4.40 6.12 4.52 Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 New Ada 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Dakota 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 | | | | | | | |
| Nebraska 4.48 4.49 4.48 4.50 4.75 4.49 Nevada 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Nevada 5.34 5.50 5.69 5.80 7.50 5.58 New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 | | | | | | | |
| New Hampshire 10.14 10.49 10.27 10.25 9.88 10.29 New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 | | | | | | | |
| New Jersey 9.17 8.98 8.69 7.67 8.82 8.63 New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dak | | | | | | | |
| New Mexico 6.07 6.08 5.85 5.85 6.50 5.96 New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5. | | | | | | | |
| New York 8.47 8.17 7.89 8.54 9.30 8.27 North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| North Carolina 5.52 5.46 5.43 5.49 5.69 5.47 North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 | | | | | | | |
| North Dakota 5.22 5.22 5.09 4.95 5.05 5.12 Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 | | | | | | | |
| Ohio 5.82 5.93 5.95 6.01 6.32 5.93 Oklahoma 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 | | | | | | | |
| Oklahoma 4.62 4.62 4.62 4.56 5.17 5.20 4.74 Oregon 4.05 4.22 4.23 4.24 4.84 4.18 Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 | | | | | | | |
| Oregon 4,05 4,22 4,23 4,24 4,84 4,18 Pennsylvania 7,08 6,90 6,52 5,29 6,96 6,45 Rhode Island 9,41 8,41 7,92 9,13 10,12 8,72 South Carolina 4,95 4,92 4,97 4,89 5,11 4,93 South Dakota 5,46 5,49 5,60 5,53 5,65 5,52 Tennessee 4,80 5,19 5,21 5,43 5,40 5,16 Texas 5,32 5,21 5,21 5,63 6,46 5,34 Utah 4,54 4,54 4,30 4,24 4,60 4,41 Vermont 8,80 8,64 8,96 8,94 9,58 8,84 Virginia 4,93 4,68 4,67 4,77 5,04 4,76 Washington 3,63 3,69 3,75 4,25 4,93 3,83 West Virginia 4,57 4,64 | | | | | | | |
| Pennsylvania 7.08 6.90 6.52 5.29 6.96 6.45 Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 | | | | | | | |
| Rhode Island 9.41 8.41 7.92 9.13 10.12 8.72 South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 | | | | | | | |
| South Carolina 4.95 4.92 4.97 4.89 5.11 4.93 South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| South Dakota 5.46 5.49 5.60 5.53 5.65 5.52 Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Tennessee 4.80 5.19 5.21 5.43 5.40 5.16 Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Texas 5.32 5.21 5.21 5.63 6.46 5.34 Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Utah 4.54 4.54 4.30 4.24 4.60 4.41 Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Vermont 8.80 8.64 8.96 8.94 9.58 8.84 Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Virginia 4.93 4.68 4.67 4.77 5.04 4.76 Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Washington 3.63 3.69 3.75 4.25 4.93 3.83 West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| West Virginia 4.57 4.64 4.64 4.60 4.59 4.61 Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Wisconsin 4.61 4.83 4.86 5.00 5.40 4.82 Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| Wyoming 4.31 4.28 4.28 4.34 4.55 4.31 U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | _ | | | | | | |
| U.S. Average 5.97 5.89 5.81 5.82 6.46 5.87 | | | | | | | |
| | _ | | | | | | |
| WA Rank 2 2 2 5 8 3 | • | | | | | | |

Source:U.S. Energy Information Administration (http://www.eia.doe.gov), July 2002.

Average Wage by Sector

The **Occupational Employment Statistics** (OES) program, produced by the U.S. Department of Labor, Bureau of Labor Statistics, conducts a yearly mail survey designed to produce estimates of employment and wages for specific occupations in states and metropolitan areas. The OES program collects data on wage and salary workers in nonfarm establishments in order to produce employment and wage estimates for over 800 occupations. Data from self-employed persons are not collected and are not included in the estimates. The most recent year of wage data available under this program is 2000.

Under the OES program, occupations are classified under the Standard Occupational Classification (SOC) system. This system includes twenty-two major occupational groups, which can be broken down into 821 specific occupations. State wages for the major groups are presented in Table 39, while wages for the 821 specific occupations can be found at the BLS web site (www.bls.gov).

As compared to the other states, Washington's wages range in rank from 22nd in Farming, Fishing, and Forestry to 3rd in Healthcare Practitioners and Technical, Personal Care and Service, and Transportation and Material Moving. Overall, however, Washington wages are higher than the national average for all major groups, and in the top ten of all but four.

While information on average state wage levels alone can be useful in some business decisions, care must be taken in using them to analyze actual business costs. This is because the OES survey does not attempt to account for differences in productivity or industry mix between the states. A higher-than-average wage level may simply indicate a larger concentration of high-productivity jobs within an occupational group, or higher productivity levels in the same occupation due to differences in average state levels of capital or training. For example, Washington's high average wage in Healthcare Practitioners and Technical may be due to a higher-than-average number of higher-paid workers in biotechnology labs rather than having higher paid doctors and nurses. There are also considerable differences in wage levels between different parts of the state, with the highly populated areas affecting the average wage more than more sparsely populated areas that may have lower wages. The specific occupational and metropolitan area data available from the BLS can present a clearer picture of the range of labor costs in the states.

Table 41 Cost of Doing Business **Average Wages**, 2000 (Dollars)

| (Dollars) | | | | | | |
|--------------------------|----------------|---------------------|----------------|----------------|----------------|----------------|
| | | Business and | | Architecture | Life, Physical | Community |
| | | Financial | Computer and | and | and Social | and Social |
| | Management | Operations | Mathematical | Engineering | Science | Services |
| | SOC 11-0000 | SOC 13-0000 | | SOC 17-0000 | SOC 19-0000 S | OC 21-0000 |
| Alabama | 27.67 | 21.03 | 24.37 | 25.18 | 21.17 | 14.10 |
| Alaska | 30.55 | 24.77 | 24.19 | 29.66 | 23.56 | 16.46 |
| Arizona | 31.16 | 21.75 | 27.40 | 24.83 | 21.02 | 14.53 |
| Arkansas | 27.07 | 19.00 | 20.12 | 21.77 | 18.78 | 13.13 |
| California | 38.13 | 24.81 | 31.51 | 29.21 | 25.40 | 17.98 |
| Colorado | 34.17 | 23.31 | 29.61 | 26.67 | 22.58 | 16.30 |
| Connecticut | 39.36 | 26.91 | 29.25 | 26.82 | 26.64 | 18.33 |
| Delaware | 32.46 | 23.76 | 29.82 | 25.85 | 27.84 | 15.98 |
| Florida | 30.96 | 21.19 | 24.17 | 23.01 | 19.92 | 14.83 |
| Georgia | 33.09 | 22.94 | 27.07 | 24.37 | 21.22 | 15.62 |
| Hawaii | 31.23 | 22.22 | 24.62 | 25.44 | 21.14 | 16.51 |
| Idaho | 26.93 | 20.63 | 24.66 | 23.40 | 19.76 | 15.02 |
| Illinois | 31.83 | 22.79 | 27.85 | 24.79 | 21.90 | 15.20 |
| Indiana | 30.18 | 20.76 | 24.12 | 22.90 | 19.25 | 14.38 |
| Iowa | 27.22 | 19.40 | 24.40 | 22.33 | 19.02 | 13.43 |
| Kansas | 29.28 | 21.44 | 25.35 | 23.98 | 20.72 | 13.47 |
| Kentucky | 27.34 | 20.17 | 23.45 | 23.10 | 18.43 | 13.92 |
| Louisiana | 26.34 | 19.44 | 22.15 | 24.71 | 22.00 | 14.32 |
| Maine | 26.74 | 19.39 | 22.24 | 23.97 | 20.42 | 14.21 |
| Maryland | 32.26 | 23.78 | 28.77 | 26.47 | 26.08 | 15.74 |
| Massachusetts | 36.97 | 25.90 | 31.62 | 28.48 | 24.76 | 16.25 |
| Michigan | 37.33 | 25.19 | 26.32 | 28.40 | 20.90 | 18.25 |
| Minnesota | 35.39 | 22.30 | 27.83 | 25.20 | 24.29 | 15.43 |
| Mississippi | 25.57 | 18.73 | 19.87 | 20.72 | 19.04 | 14.35 |
| Missouri | 29.37 | 21.06 | 25.85 | 23.85 | 20.90 | 14.57 |
| Montana | 21.95 | 17.85 | 19.52 | 21.51 | 19.18 | 11.98 |
| Nebraska | 27.48 | 19.86 | 24.22 | 23.63 | 18.64 | 12.95 |
| Nevada | 31.73 | 21.15 | 21.69 | 23.91 | 19.07 | 18.66 |
| New Hampshire | 30.14 | 23.16 | 26.85 31.81 | 23.96 | 21.56 | 13.61 |
| New Jersey New Mexico | 41.94 26.94 | 27.23 19.51 | 26.09 | 27.86 25.22 | 25.61 25.90 | 18.26 13.96 |
| New York | 41.25 | 27.91 | 29.82 | 27.08 | 26.16 | 17.81 |
| North Carolina | 30.50 | 22.01 | 28.54 | 23.89 | 21.62 | 14.22 |
| North Dakota | 23.81 | 18.68 | 18.72 | 19.82 | 18.60 | 13.17 |
| Ohio | 30.75 | 21.11 | 25.71 | 24.25 | 19.67 | 15.48 |
| Oklahoma | 25.77 | 19.40 | 20.12 | 22.81 | 19.54 | 12.41 |
| Oregon | 31.96 | 21.88 | 23.60 | 23.11 | 20.90 | 16.09 |
| Pennsylvania | 31.26 | 21.40 | 25.88 | 24.41 | 20.98 | 14.46 |
| Rhode Island | 35.35 | 23.65 | 23.46 | 25.53 | 21.98 | 16.84 |
| South Carolina | 26.41 | 19.01 | 23.28 | 25.48 | 20.13 | 13.35 |
| South Dakota | 29.75 | 17.89 | 16.78 | 20.09 | 15.69 | 13.95 |
| Tennessee | 27.52 | 21.22 | 23.13 | 23.09 | 21.24 | 13.21 |
| Texas | 30.54 | 22.62 | 28.15 | 27.59 | 22.79 | 15.95 |
| Utah | 28.52 | 20.31 | 21.53 | 22.17 | 18.26 | 13.63 |
| Vermont | 33.70 | 22.25 | 22.49 | 23.72 | 20.78 | 15.10 |
| Virginia | 33.92 | 24.33 | 28.59 | 26.42 | 24.36 | 16.56 |
| Washington | 37.29 | 25.13 | 30.03 | 28.09 | 24.40 | 16.02 |
| West Virginia | 24.11 | 18.56 | 22.08 | 21.77 | 19.73 | 11.30 |
| Wisconsin | 29.73 | 20.43 | 24.10 | 23.43 | 21.06 | 15.87 |
| Wyoming | 24.76 | 20.26 | 16.52 | 22.18 | 19.22 | 13.25 |
| U.S. Average | 32.78 | 23.30 | 27.91 | 25.99 | 22.97 | 15.82 |
| Washington's Rank | 6 | 6 | 4 | 5 | 9 | 14 |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), August 2002

Table 41 (cont.)
Cost of Doing Business
Average Wages, 2000
(Dollars)

| (Donars) | Legal SOC 23-0000 | Education, Training, and Library SOC 25-0000 | Arts, Design, Entertainment, Sports, and Media SOC 27-0000 | Healthcare Practitioners and Technical SOC 29-0000 | Healthcare Support SOC 31-0000 | Protective Service SOC 33-0000 |
|-----------------------|--|---|--|--|--------------------------------------|--------------------------------------|
| Alabama | 28.41 | 15.56 | 14.43 | 20.23 | 8.42 | 11.80 |
| Alaska | 34.38 | 19.99 | 16.03 | 27.27 | 13.84 | 17.96 |
| Arizona | 29.23 | 16.04 | 16.75 | 21.86 | 9.75 | 14.61 |
| Arkansas | 22.32 | 15.11 | 13.84 | 19.70 | 7.96 | 11.33 |
| California | 37.45 | 20.57 | 22.11 | 25.64 | 11.62 | 16.85 |
| Colorado | 27.14 | 17.65 | 19.03 | 22.99 | 11.27 | 16.19 |
| Connecticut | 37.88 | 20.95 | 20.88 | 27.47 | 12.63 | 16.21 |
| Delaware | 31.45 | 21.61 | 18.40 | 24.89 | 10.43 | 13.73 |
| Florida | 30.54 | 18.45 | 15.73 | 22.40 | 9.80 | 14.12 |
| Georgia | 28.58 | 17.06 | 16.31 | 21.55 | 9.33 | 12.16 |
| Hawaii | 24.28 | 17.63 | 17.61 | 25.28 | 11.46 | 12.57 |
| Idaho | 27.18 | 15.73 | 13.45 | 21.73 | 8.98 | 12.76 |
| Illinois | 35.94 | 18.26 | 17.87 | 21.40 | 10.15 | 15.90 |
| Indiana | 25.20 | 17.46 | 13.69 | 21.61 | 9.96 | 12.78 |
| Iowa | 27.44 | 15.80 | 13.13 | 20.18 | 9.56 | 13.37 |
| Kansas | 26.58 | 14.16 | 13.31 | 20.11 | 9.10 | 12.42 |
| Kentucky | 29.04 | 15.79 | 14.19 | 21.69 | 9.18 | 11.43 |
| Louisiana | 27.99 | 14.74 | 14.73 | 20.16 | 7.75 | 10.91 |
| Maine | 28.37 | 15.82 | 15.33 | 22.79 | 9.69 | 12.33 |
| Maryland | 27.85 | 18.65 | 18.63 | 26.83 | 10.63 | 15.41 |
| Massachusetts | 40.23 | 19.17 | 20.03 | 24.51 | 11.46 | 16.09 |
| Michigan | 32.33 | 20.82 | 20.67 | 24.69 | 10.45 | 14.70 |
| Minnesota | 33.00 | 17.84 | 18.06 | 23.26 | 10.95 | 13.58 |
| Mississippi | 22.79 | 13.91 | 13.54 | 18.69 | 8.16 | 10.80 |
| Missouri | 34.82 | 15.89 | 15.98 | 20.19 | 9.11 | 13.32 |
| Montana | 19.90 | 14.55 | 12.62 | 19.04 | 8.55 | 13.01 |
| Nebraska | 29.69 | 16.00 | 15.11 | 19.48 | 9.39 | 14.60 |
| Nevada | 31.45 | 17.59 | 18.71 | 26.58 | 11.51 | 14.18 |
| New Hampshire | 27.24 | 16.10 | 16.92 | 22.49 | 10.87 | 14.00 |
| New Jersey | 37.81 | 20.82 | 22.27 | 26.47 | 11.26 | 17.68 |
| New Mexico | 24.60 | 14.42 | 15.46 | 23.39 | 9.27 | 11.90 |
| New York | 40.97 | 22.83 | 22.44 | 25.24 | 10.89 | 17.39 |
| North Carolina | 30.49 | 15.87 | 16.37 | 22.47 | 9.29 | 12.93 |
| North Dakota | 22.77 | 14.13 | 12.28 | 19.75 | 8.58 | 12.73 |
| Ohio | 28.25 | 18.10 | 16.65 | 22.70 | 9.83 | 14.25 |
| Oklahoma | 31.91 | 14.59 | 13.82 | 20.27 | 8.24 | 12.26 |
| Oregon | 30.61 | 18.08 | 16.79 | 25.64 | 11.09 | 14.94 |
| Pennsylvania | 29.86 | 19.68 | 18.15 | 22.32 | 9.99 | 15.23 |
| Rhode Island | 29.60 | 20.15 | 17.55 | 25.13 | 10.88 | 15.69 |
| South Carolina | 25.29 | 16.17 | 15.19 | 22.48 | 9.40 | 11.55 |
| South Dakota | 23.95 | 14.19 | 11.73 | 19.62 | 8.76 | 12.60 |
| Tennessee | 26.10 | 15.25 | 16.24 | 21.50 | 9.34 | 12.87 |
| Texas | 32.16 | 16.33 | 16.07 | 21.16 | 8.81 | 13.81 |
| Utah | 33.80 | 15.28 | 15.96 | 21.97 | 9.59 | 13.11 |
| Vermont | 24.66 | 16.10 | 17.41 | 22.68 | 10.13 | 13.31 |
| Virginia | 31.01 | 15.94 | 18.37 | 23.31 | 9.54 | 14.04 |
| Washington | 30.06 | 17.65 | 21.75 | 26.86 | 11.43 | 16.94 |
| West Virginia | 20.08 | 16.65 | 13.54 | 20.24 | 7.71 | 11.23 |
| Wisconsin | 29.44 | 17.31 | 15.43 | 22.61 | 10.12 | 15.18 |
| Wyoming | 19.58 | 15.43 | 12.46 | 19.78 | 8.74 | 13.39 |
| U.S. Average | 33.14 | 18.22 | 18.58 | 23.07 | 10.11 | 14.80 |
| Washington's Ra | 20 | 17 | 4 | 3 | 7 | 4 |
| Source: "Occupational | Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), August 2002 | | | | | |

Table 41 (cont.) Cost of Doing Business Average Wages, 2000 (Dollars)

| , | Food Preparation and Serving Related SOC 35-0000 | Building and Grounds Cleaning and Maintenance SOC 37-0000 | Personal Care and Service SOC 39-0000 | Sales and Related SOC 41-0000 | Office and Administrative Support SOC 43-0000 | Farming, Fishing, and Forestry SOC 45-0000 |
|-------------------------|---|---|--|-------------------------------------|--|--|
| Alabama | 6.68 | 7.89 | 8.20 | 12.09 | 11.07 | 10.96 |
| Alaska | 9.09 | 11.33 | 12.02 | 12.26 | 14.29 | 17.44 |
| Arizona | 7.33 | 8.39 | 9.04 | 13.28 | 11.94 | 7.68 |
| Arkansas | 7.00 | 7.65 | 7.26 | 10.57 | 10.35 | 8.68 |
| California | 8.19 | 10.00 | 11.15 | 14.92 | 13.97 | 7.90 |
| Colorado | 8.47 | 9.56 | 9.66 | 14.41 | 13.20 | 9.69 |
| Connecticut | 9.15 | 10.97 | 11.24 | 16.01 | 14.46 | 10.84 |
| Delaware | 8.20 | 9.72 | 9.29 | 12.98 | 12.72 | 10.93 |
| Florida | 7.64 | 8.55 | 9.11 | 13.15 | 11.56 | 8.07 |
| Georgia | 7.41 | 8.52 | 10.63 | 13.24 | 12.33 | 9.17 |
| Hawaii | 8.76 | 10.43 | 12.96 | 11.95 | 13.09 | 9.80 |
| Idaho | 7.03 | 8.66 | 8.25 | 11.30 | 11.32 | 11.22 |
| Illinois | 7.22 | 9.91 | 10.39 | 13.43 | 12.89 | 9.93 |
| Indiana | 7.41 | 9.28 | 8.92 | 12.39 | 11.57 | 10.57 |
| Iowa | 7.18 | 8.97 | 8.27 | 10.96 | 11.31 | 10.76 |
| Kansas | 7.05 | 8.55 | 8.56 | 12.29 | 11.52 | 11.49 |
| Kentucky | 7.22 | 8.49 | 10.43 | 11.46 | 11.26 | 9.35 |
| Louisiana | 6.90 | 7.54 | 8.08 | 11.07 | 10.63 | 11.33 |
| Maine | 7.84 | 9.37 | 8.51 | 12.03 | 11.50 | 11.95 |
| Maryland | 7.91 | 8.95 | 9.30 | 13.29 | 13.13 | 10.81 |
| Massachusetts | 9.15 | 11.09 | 11.12 | 15.15 | 14.02 | 10.89 |
| Michigan | 7.78 | 10.42 | 10.31 | 13.79 | 13.13 | 10.91 |
| Minnesota | 7.96 6.67 | 10.11 7.60 | 9.93 8.74 | 14.55 10.38 | 12.98 10.52 | 12.00 10.59 |
| Mississippi Missouri | 7.73 | 8.86 | 8.96 | 12.28 | 11.89 | 9.89 |
| Missouri | 6.90 | 7.87 | 7.83 | 10.99 | 10.28 | 12.42 |
| Montana Nebraska | 7.21 | 8.65 | 8.74 | 11.51 | 11.05 | 9.74 |
| Nevada | 8.79 | 9.77 | 9.73 | 12.51 | 12.24 | 12.27 |
| New Hampshire | 8.19 | 9.97 | 9.15 | 13.54 | 12.28 | 12.46 |
| New Jersey | 9.12 | 10.72 | 10.40 | 16.05 | 14.14 | 9.75 |
| New Mexico | 7.03 | 7.82 | 8.16 | 10.89 | 11.10 | 6.25 |
| New York | 8.38 | 11.81 | 10.16 | 16.68 | 14.22 | 10.55 |
| North Carolina | 7.37 | 8.61 | 8.70 | 12.62 | 11.96 | 10.57 |
| North Dakota | 7.18 | 8.18 | 8.13 | 10.53 | 10.58 | 9.87 |
| Ohio | 7.36 | 9.59 | 8.99 | 13.26 | 12.16 | 11.27 |
| Oklahoma | 6.81 | 7.78 | 8.37 | 10.87 | 10.86 | 9.23 |
| Oregon | 8.06 | 9.98 | 10.42 | 14.31 | 12.51 | 12.21 |
| Pennsylvania | 7.51 | 9.39 | 9.23 | 12.29 | 12.18 | 10.35 |
| Rhode Island | 8.26 | 10.07 | 9.44 | 13.87 | 12.92 | 9.62 |
| South Carolina | 7.16 | 8.28 | 8.85 | 11.29 | 11.16 | 9.91 |
| South Dakota | 7.15 | 8.05 | 8.33 | 11.55 | 10.19 | 10.03 |
| Tennessee | 7.25 | 8.28 | 9.63 | 12.33 | 11.54 | 10.25 |
| Texas | 6.96 | 8.01 | 9.76 | 12.62 | 12.22 | 8.54 |
| Utah | 7.53 | 8.82 | 9.92 | 12.59 | 11.37 | 7.83 |
| Vermont | 8.37 | 9.43 | 9.28 | 12.36 | 11.79 | 10.85 |
| Virginia | 7.66 | 8.55 | 11.79 | 12.45 | 12.54 | 9.95 |
| Washington | 8.65 | 10.64 | 11.94 | 15.23 | 13.61 | 10.63 |
| West Virginia | 6.63 | 8.08 | 7.58 | 9.69 | 10.30 | 10.41 |
| Wisconsin | 7.76 | 9.47 | 9.08 | 13.01 | 12.08 | 11.39 |
| Wyoming | 7.17 | 8.52 | 8.08 | 10.24 | 10.47 | 10.69 |
| U.S. Average | 7.72 | 9.41 | 9.86 | 13.46 | 12.64 | 9.07 |
| Washington's Ran | | 6 | 3 | 4 | 7 | 22 |
| Source: "Occupational | Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), August 2002. | | | | | |

Table 41 (cont.) Cost of Doing Business Average Wages, 2000 (Dollars)

| (Dollars) | | | | |
|--------------------------|----------------|----------------|----------------|----------------|
| | Construction | Installation, | | Transportation |
| | and | Maintenance, | | and Material |
| | Extraction | and Repair | Production | Moving |
| | SOC 47-0000 | SOC 49-0000 | SOC 51-0000 | SOC 53-0000 |
| Alabama | 12.82 | 14.42 | 11.81 | 11.25 |
| Alaska | 22.24 | 20.89 | 17.06 | 17.20 |
| Arizona | 14.02 | 15.55 | 11.84 | 11.99 |
| Arkansas | 12.54 | 13.91 | 10.70 | 11.25 |
| California | 18.60 | 17.16 | 12.09 | 12.15 |
| Colorado | 16.18 | 16.65 | 12.43 | 13.01 |
| Connecticut | 19.08 | 17.84 | 14.28 | 12.86 |
| Delaware | 16.35 | 16.75 | 14.72 | 13.10 |
| Florida | 13.19 | 14.71 | 11.00 | 11.09 |
| Georgia | 14.13 | 16.09 | 11.64 | 12.44 |
| Hawaii | 22.24 | 18.83 | 12.88 | 14.36 |
| Idaho | 14.57 | 15.21 | 11.67 | 11.50 |
| Illinois | 21.38 | 17.69 | 12.30 | 13.20 |
| Indiana | 17.28 | 16.68 | 13.49 | 12.87 |
| Iowa | 14.97 | 14.77 | 12.67 | 12.03 |
| Kansas | 14.96 | 15.84 | 13.35 | 12.09 |
| Kentucky | 14.67 | 14.88 | 12.91 | 12.66 |
| Louisiana | 13.31 | 14.52 | 13.52 12.29 | 11.47 |
| Maine | 14.04 | 14.83 | 13.12 | 11.31 11.98 |
| Maryland | 16.04 20.17 | 16.72 18.17 | 13.72 | 12.97 |
| Massachusetts | | | 15.86 | |
| Michigan | 19.90 19.73 | 18.19 | 13.69 | 13.34 12.94 |
| Minnesota Miggigginni | 12.47 | 17.47 13.42 | 10.73 | 10.58 |
| Mississippi Missouri | 18.25 | 15.42 | 12.72 | 10.36 12.47 |
| Montana | 14.76 | 14.44 | 12.12 | 11.46 |
| Nebraska | 14.76 | 14.44 | 11.43 | 12.26 |
| Nevada | 18.22 | 17.14 | 12.62 | 11.76 |
| New Hampshire | 15.01 | 16.26 | 12.52 | 11.76 |
| New Jersey | 21.04 | 18.60 | 13.84 | 12.88 |
| New Mexico | 13.44 | 14.47 | 11.55 | 11.08 |
| New York | 21.39 | 17.47 | 12.85 | 13.14 |
| North Carolina | 13.22 | 15.33 | 11.71 | 11.51 |
| North Dakota | 14.11 | 14.65 | 11.57 | 11.91 |
| Ohio | 17.54 | 16.04 | 13.81 | 12.40 |
| Oklahoma | 13.02 | 14.73 | 12.24 | 11.78 |
| Oregon | 18.53 | 16.69 | 13.23 | 12.41 |
| Pennsylvania | 17.34 | 15.82 | 12.86 | 12.61 |
| Rhode Island | 17.76 | 15.72 | 11.91 | 11.21 |
| South Carolina | 13.13 | 14.92 | 12.31 | 11.11 |
| South Dakota | 12.71 | 14.03 | 10.61 | 10.73 |
| Tennessee | 13.75 | 14.82 | 11.95 | 12.16 |
| Texas | 13.28 | 15.17 | 11.89 | 11.93 |
| Utah | 14.77 | 15.63 | 11.72 | 12.93 |
| Vermont | 13.86 | 15.19 | 12.78 | 11.54 |
| Virginia | 14.33 | 16.27 | 12.41 | 12.48 |
| Washington | 20.15 | 18.15 | 14.18 | 13.91 |
| West Virginia | 14.63 | 14.76 | 12.79 | 10.75 |
| Wisconsin | 18.05 | 16.24 | 13.39 | 12.34 |
| Wyoming | 14.75 | 15.59 | 14.43 | 13.60 |
| U.S. Average | 16.56 | 16.23 | 12.72 | 12.32 |
| Washington's Rank | 7 | 6 | 6 | 3 |
| | . G | | D CT 1 Ct 1 | |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), August 2002.

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